



Changes for the Better

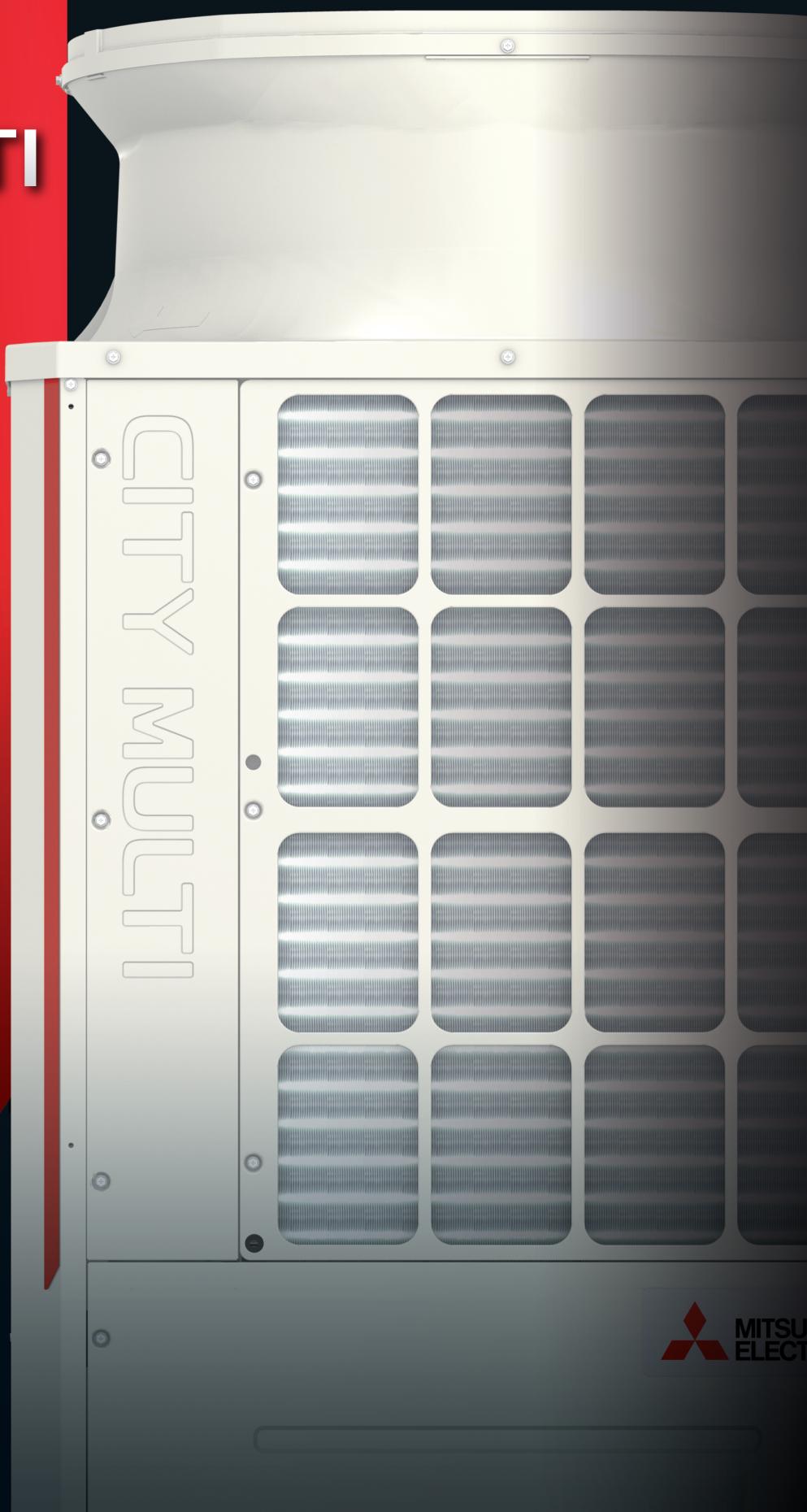
AIR CONDITIONING SYSTEMS

for a greener tomorrow 

CITY MULTI

PURY YNW-A Series

PUHY YNW-A Series



Mitsubishi Electric is launching New Series.

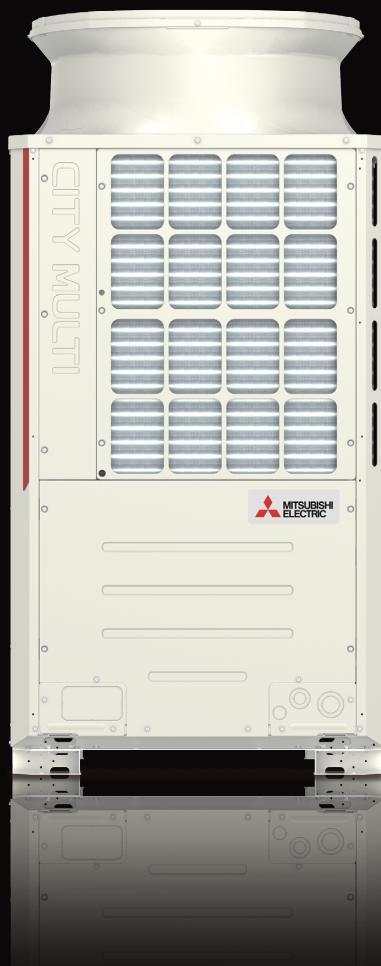


Next Stage

To the next stage of air conditioning

Introducing a new series of air conditioners with improved basic functions and advanced compressor, well streamlined fan that meet energy-saving requirements.

Mitsubishi Electric continues to improve air conditioning quality and provide its customers with next-stage solutions.



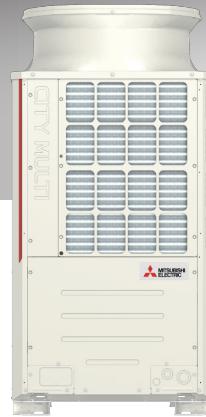
Energy Saving

Flexible Noise Setting

New Design

New BC controller

New CITY MULTI



The new structural design has a 4-face air induction design and improved core components, such as compressor and fan, significantly improving energy-saving performance.

Energy Saving

Various key components have been equipped, improving energy-saving performance and meeting customers' requirements.

New Design

New modern design blends in well with most building architectures.

Flexible Noise Setting

All models in the series are equipped with low-noise operating mode as a standard feature. Choose from five different patterns for the optimum setting to meet the low-noise requirements.

New BC controller

The BC controllers for R2 have been remodeled. Up to 11 sub-BC controllers can be connected to the main BC controller.

R2 (Heat Recovery) Series

Simultaneous Cooling and Heating

R2 series

PURY-P YNW-A (-BS)	PURY-EP YNW-A (-BS)
PURY-P YSNW-A (-BS)	PURY-EP YSNW-A (-BS)

Y (Heat Pump) Series

Cooling or Heating

Y series

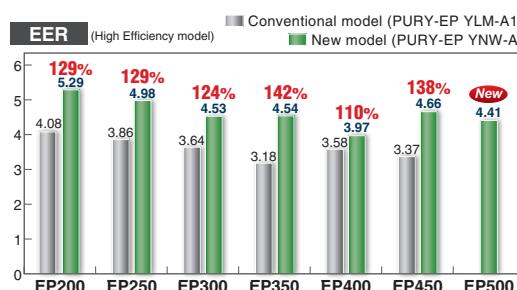
PUHY-P YNW-A (-BS)	PUHY-EP YNW-A (-BS)
PUHY-P YSNW-A (-BS)	PUHY-EP YSNW-A (-BS)

Energy Saving

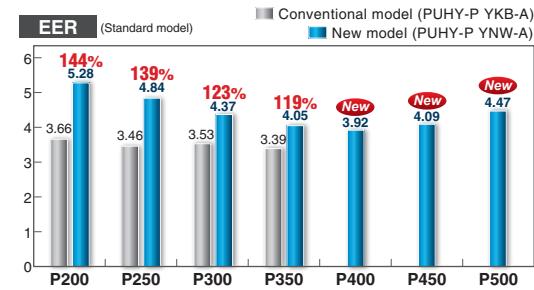
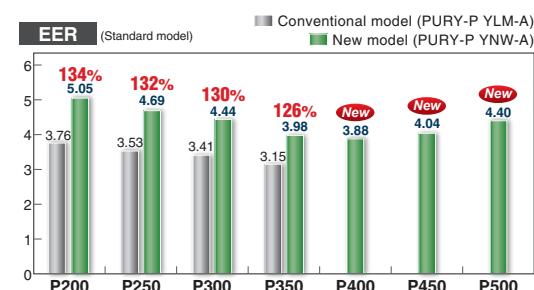
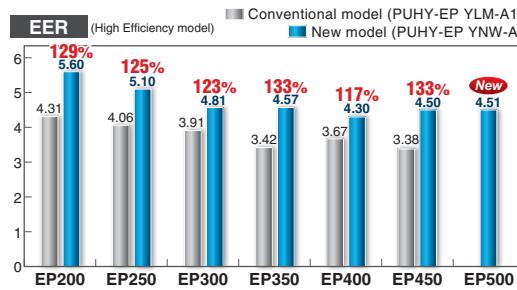
Compared to the existing models, the all single modules in YNW Series have improved EER.

EER of the 14HP model (PURY-EP350YNW-A) is higher by about 42%. All these models ensure high energy saving.

R2 Series



Y Series



*Comparison under the nominal condition.

Flexible Noise Setting

New



The low-noise mode, which conventionally only had one pattern, has been increased to four patterns so that a mode can be selected from a total of five patterns, including the rated pattern. The low-noise mode has four patterns 85%, 70%, 60% and 50% in respect to the fan speed. This can be set with the outdoor unit's DIP switch. The pattern can be selected according to the customer's requests when low-noise operation is required.

*In the low noise mode, the capacity will reduce.

New Design

New



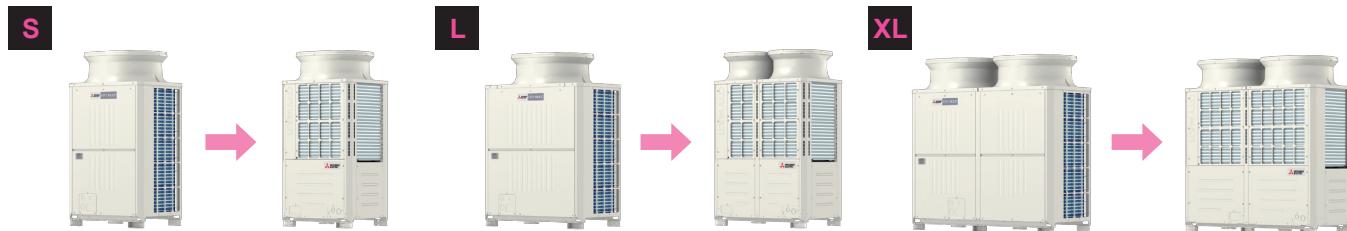
* All product images are standard type.

To realize high efficiency, the structure was changed by using a four-sided heat exchanger. The appearance is more sophisticated which can enhance the design of building.

Comparison of modules



Comparison of modules



Capacity increased up to 44HP

New 16~20HP single module available



Newly available single module

Increased capacities up to 44HP

Use of module one size smaller than conventional unit

Single modules of up to 20HP have been added to R2-Series.

Single modules are smaller, with L modules replacing the EP400 and P450 modules, reducing installation space by approximately 29%.

R2-Series

Single

	8HP	10HP	12HP	14HP	16HP	18HP	20HP
	P200	P250	P300	P350	P400	P450	P500
YLM-A	S	S	L	L	—	—	—
New YNW	S	S	S	L	L	L	XL

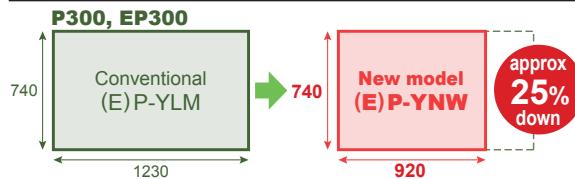
Single

	8HP	10HP	12HP	14HP	16HP	18HP	20HP
	EP200	EP250	EP300	EP350	EP400	EP450	EP500
YLM-A1	S	S	L	L	XL	XL	—
New YNW	S	S	S	L	L	L	XL

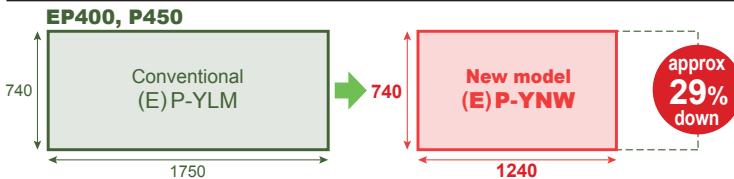
Combination

	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP	34HP	36HP	38HP	40HP	42HP	44HP
	P200	P250	P300	P350	P400	P450	P500	P550	P600	P650	P700	P750	P800	P850	P900	P950	P1000	P1050	P1100
YLM-A	—	—	—	—	S+S	S+S	S+S	S+L	L+L	L+L	L+L	L+L	L+XL	XL+XL	—	—	—	—	
New YNW	—	—	—	—	S+S	S+S	S+S	S+S	S+S	S+L	L+L	L+L	L+L	L+L	L+XL	XL+XL	XL+XL	XL+XL	

P300, EP300 **L → S**



EP400, P450 **XL → L** (Single)



New BC controller

New

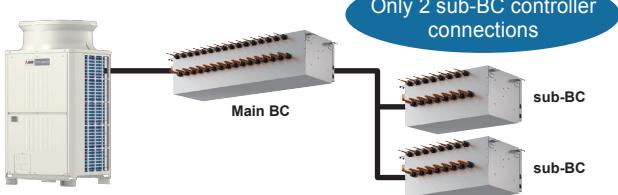
Sub-BC controller connections increased



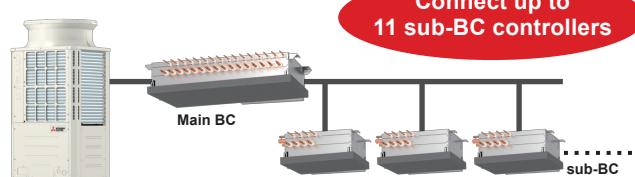
Only two sub-BC controllers could be connected to a main BC controller in previous models. Up to 11 sub-BC controllers can now be connected to the new BC controller, allowing for more flexibility in system design.

The line-branching method enables the creation of system designs that use less refrigerant.

Conventional model



New model



Key Components

New 1 Compressor with centrifugal force canceling mechanism

R2 Series EP R2 Series P V Series EP Y Series P

The compressor, known as the heart of the air conditioner, has been newly developed. A new centrifugal force canceling mechanism and a new multi-port mechanism have been developed. In addition, we have mounted a high-efficiency motor. The synergistic effect of these new technologies increases the compressor performance and efficiency, and also helps to improve the performance of the outdoor unit.

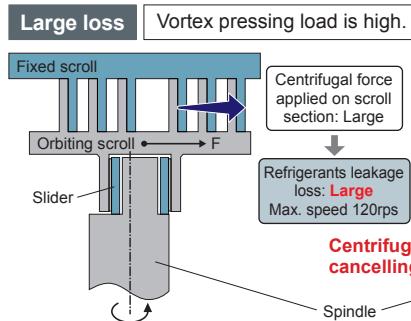
Centrifugal force canceling mechanism (8 to 14HP)

The structure of the scroll compressor causes a centrifugal force during operation. Conventionally, that centrifugal force is applied onto the scroll section. This causes refrigerant to leak, and restricts the increase in rotational speed to a maximum of 120rps.

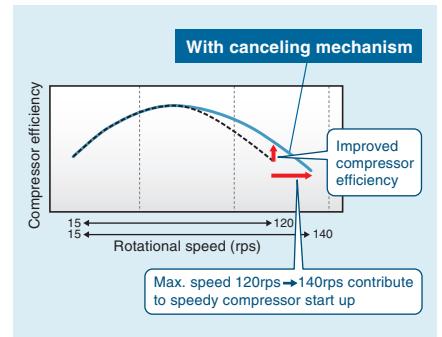
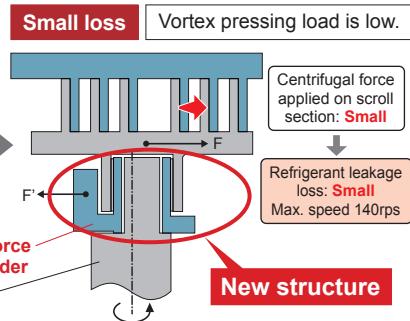
With the new compressor, a new structure (centrifugal force canceling mechanism) has been mounted to suppress the centrifugal force. This mechanism successfully suppresses the centrifugal force generated at the scroll section, reduces refrigerant leakage losses, and increases the compressor efficiency. The maximum rotational speed has been increased from the conventional 120rps to 140rps.

This new mechanism also speeds up the start of operation, and enables operations such as preheat defrost operation and the smooth auto-shift startup mode.

Conventional mechanism



Centrifugal force canceling mechanism



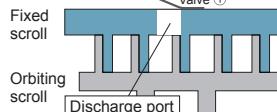
Multi-port mechanism

With the scroll compressor, the distance of the compression process in the scroll is usually fixed, so over-compression occurs during low loads and low rotation.

The new compressor is equipped two sub-ports in addition to the conventional discharge port to reduce this over-compression loss during low loads. In operation conditions having a low compression rate, the distance in the compression process is kept short by that successfully avoiding unnecessary compression, and contributing to efficient partial load operation.

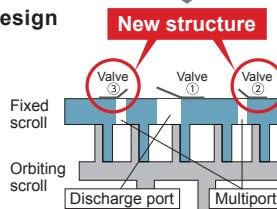
Conventional structure

		Operation pattern	
Main port	Valve ①	Partial load	Rating, high pressure difference
Open	Open	Open	Open



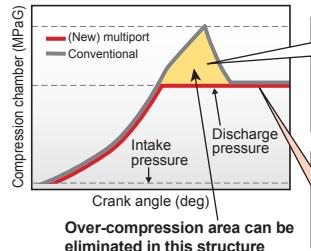
New structure with multi-port design

		Operation pattern	
Main port	Valve ①	Partial load	Rating, high pressure difference
Open	Open	Open	Open
Sub-port	Valve ②	Open	Closed
	Valve ③	Open	Closed



The sub-port is opened during partial load operation to discharge the over-compressed gas.

Reduced over-compression loss (multi-port)



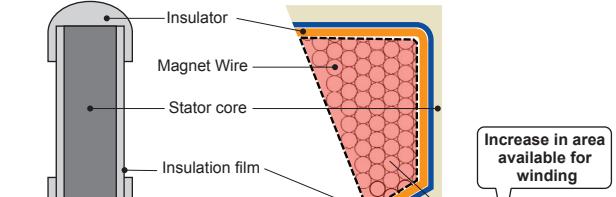
Conventional model
Conventionally, gas refrigerant is compressed to a set pressure, and then lowered to the target discharge pressure at which it is discharged. This causes drive losses from over-compression.

Multiport
When the target discharge pressure is reached, the multiport opens, and the gas refrigerant is discharged. This reduces drive losses caused by over-compression.

Improved high-efficiency motor

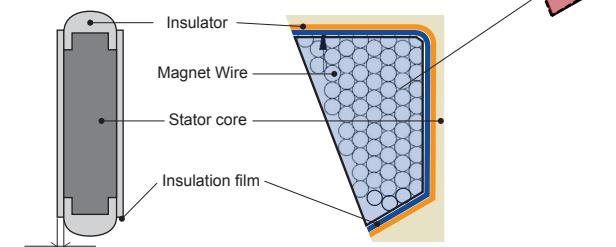
The insulator section that traditionally created a dead space is eliminated by insulating the motor's stator film. Since winding can be set in that section, the winding area can be increased by approx. 9%. The wire diameter has also been increased by two ranks, so the resistance between terminals is reduced, and the insulation distance is shorter. This improves the motor's operation performance and contributes to high-efficiency operation of the compressor.

Conventional model (YLM)



The insulator section is large, and the area where the copper wire can be wound is small.

New model (YNW)

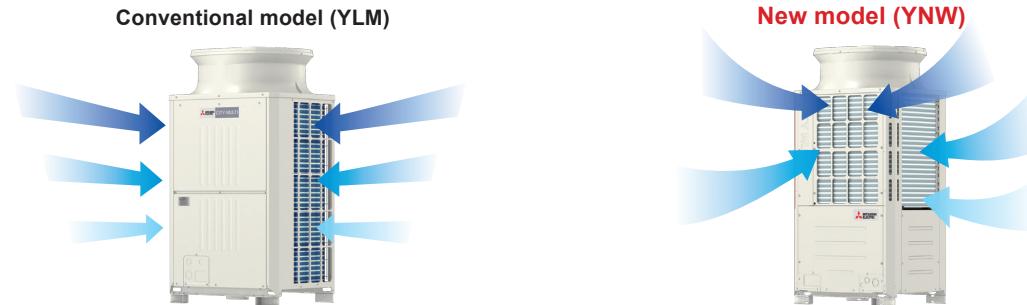


The motor can be wound in the section where the insulator was, and a larger wire diameter can be used.

New 2 Four-sided air intake structure



On the conventional models, a U-shaped heat exchanger was installed over the rear surface. In the new model, the four-sided heat exchanger has been mounted on the upper-part of the module which is near the fan. This allows air to be taken in efficiently, and increases the heat exchanger's efficiency.



The three-surface suction and the vertically long heat exchanger attenuate the suction rate at sections distanced from the fan.

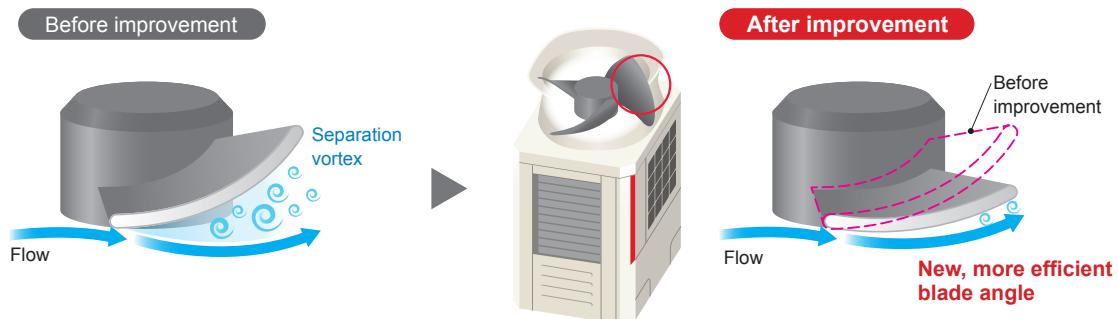
Efficient air suction is achieved by placing the heat exchangers on the upper part. The multiplier effect created by increasing the number of suction surfaces from three surfaces to four surfaces greatly improves the operation efficiency.

New 3 Provided with well streamlined fan



A new fan which is suitable for 4-face suction has been developed. A newly designed winglet is provided on the periphery of each blade to operate efficiency.

In addition, the blade angle is determined properly according to the flows on the inner and outer peripheries of the blade to optimize the blowing efficiency.

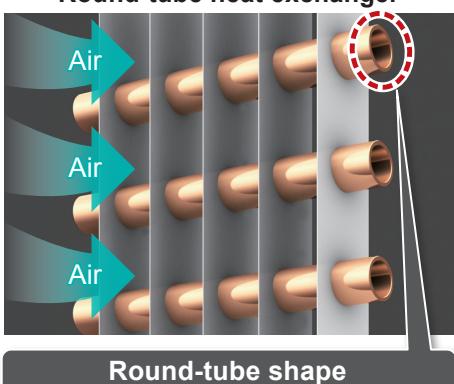


4 Flat-tube heat exchanger



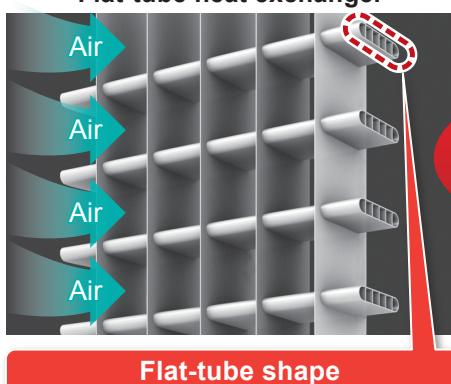
In addition to the round-tube heat exchanger models, flat-tube heat exchanger models are available. The use of flat tubes increases the number of piping stages while maintaining the same size for heat exchanger. The inside of the tube is divided into thin compartments, which increases the area of contact between refrigerant and air, thereby increasing heat-exchange effectiveness and significantly improving energy-saving performance. The flat-tube heat exchanger improves heat-exchange effectiveness by approximately 30% compared to round-tube heat exchangers.

Round-tube heat exchanger



Round-tube shape

Flat-tube heat exchanger



Flat-tube shape

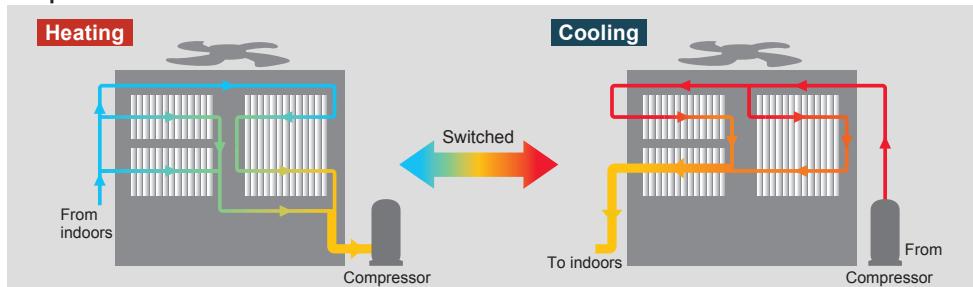
Approximately 30%
increase in heat-exchange
efficiency

(Illustration)

New 5 Adaptive flow control (Y-Series EP (~18HP))

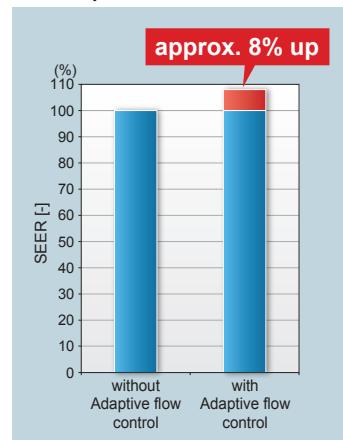
Changed to a refrigerant circuit flow for both heating and cooling.

Adaptive flow control



- During cooling, a serial flow path (flow through two of the heat exchangers split into three, and then through the last heat exchanger) is used. With fewer paths, the refrigerant flow rate is increased and the heat conductivity performance is improved. In addition, the drop in heat exchanger capacity for per path prevents the refrigerant stagnation and improves the condensing performance of the heat exchanger during cooling.
- During heating, a parallel flow path (flow refrigerant simultaneously through all heat exchangers split into three) is used. By flowing the refrigerant to all paths at the heat exchanger inlets (by increasing the number of paths compared to cooling), pressure loss in the heat exchanger is reduced, and the evaporator performance is improved.
- Increase in evaporator performance is compared to using the original number of cooling paths.

Comparison of EP300 (Y-Series) SEER (cooling) with and without variable path

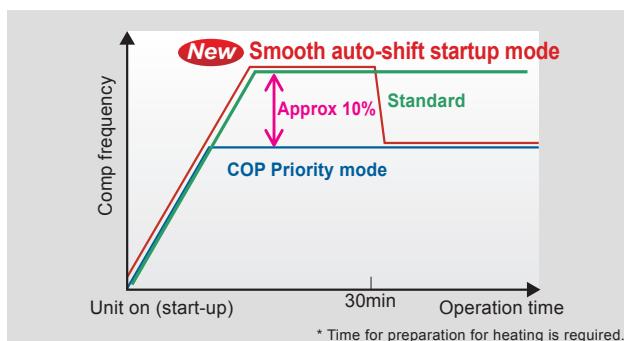


Key Functions

New 1 Smooth auto-shift startup mode



Smooth auto-shift startup mode, a new operation mode on the outdoor unit, can now be selected in addition to the conventional COP Priority and Capacity Priority modes. In order to heat the room faster, Capacity Priority mode runs for 30 minutes when heating operation starts. The unit then switches to COP Priority mode to increase energy-saving efficiency. This enables both improved comfort and energy savings.

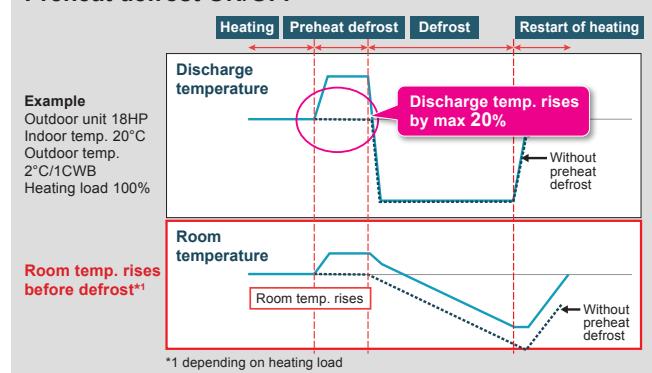


New 2 Preheat defrost operation



The new outdoor unit is equipped with a preheat defrost operation that raises the discharge temperature of the air before beginning defrost operation. This contributes to raising the room temperature before the start of defrost operation and prevents room occupants experiencing a chilling sensation.

Preheat defrost ON/OFF



3 Energy-efficient evaporation control



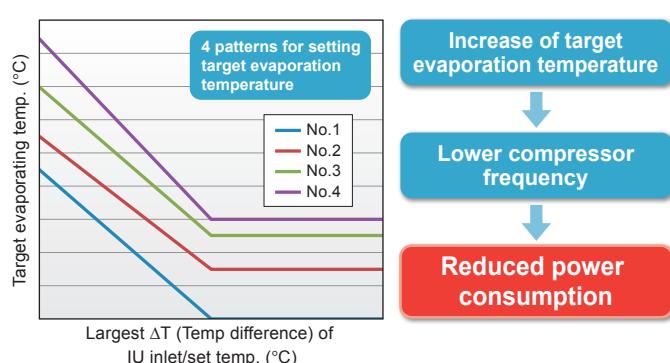
Since the evaporation temperature is kept constant regardless of the air-conditioning load in normal operation mode, energy loss could occur at times of low air-conditioning load. The new models are equipped with a function for selecting the target evaporation temperature*1 according to the air-conditioning load.

The compressor frequency is reduced according to conditions in the room to control the evaporation temperature.

This can curb excessive power consumption and realize energy savings*2.

*1 To change the evaporation temperature setting, it is necessary to change the setting of the DIP switch on the outdoor unit.

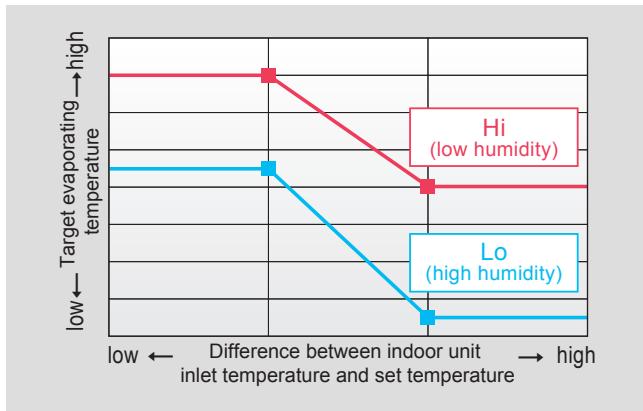
*2 When the difference between the indoor unit air-intake temperature and the actual temperature setting exceeds 1°C, the air conditioner returns to normal mode.



4 High sensible heat operation R2 series EP R2 series P Y series EP Y series P

The evaporating temperature is controlled according to room temperature and humidity, and refrigerant pressure.

Image of evaporating temperature control during high sensible heat operation in full cooling mode



With high sensible heat operation mode activated, air conditioners consume less energy,*1 thereby realizing cost savings.

If a locally procured humidity sensor is installed, the evaporating temperature of the outdoor unit can be controlled optimally as shown below according to the difference between the indoor unit inlet temperature and set temperature.

A wide range of temperature settings are available, from a low evaporating temperature close to the temperature for normal operation to a high evaporating temperature to realize energy savings.

*1 Unlike in evaporating temperature control mode, once the air conditioners are set in high sensible heat operation mode, they are kept running at a reduced evaporating temperature.

Temperature and humidity conditions

	Room state	Condition of outdoor unit	Zone	Evaporating temperature control
Comfortable temperature and humidity High sensible heat operation		Comfortable and energy-saving operation even at low compressor rotating speed		
High humidity		Compressor rotating at medium speed to reduce humidity		
High temperature and humidity		Compressor rotating at high speed to reduce temperature and humidity		

New 5 Maintenance data retrieval via USB R2 Series EP R2 Series P Y Series EP Y Series P

Operation data was retrieved from conventional models using the maintenance tool. On the new model, the data can be retrieved quickly via USB*1. It is unnecessary to carry the personal computer in which the maintenance tool has been installed, reducing field operation time and improving convenience. Software can be rewritten via USB, while data for up to 4 days and the 5 minutes after an error has occurred can be stored in the the USB memory device*2.

*1 In the case of OC-IC maximum configuration

*2 USB memory devices conforming to USB2.0 can be used.

New BC Controller

1 Sub-BC controller connections increased

Only two sub-BC controllers could be connected to a main BC controller in previous models. Up to 11 sub-BC controllers can now be connected to the new BC controller, allowing for more flexibility in system design. The line-branching method enables the creation of system designs that use less refrigerant.



2 Greater flexibility in refrigerant piping design



The piping length from the main BC controller to indoor units has been increased from 60m[196ft] to 90m[295ft], providing greater flexibility in piping design.

*Sub-BC controllers should be used when piping length is 60m[196ft.] or more.

3 Main BC controller with increased connection capacity

The connection capacity of the main BC controller has been increased compared to previous controllers, allowing system designs with fewer units. The KA type, which can be connected to units up to 44 HP, has been added to the product lineup to handle outdoor units with increased capacities.

Conventional model		New model	
Type	Outdoor unit capacity	Type	Outdoor unit capacity
G	~14HP	J	~14HP
GA	~26HP	JA	~36HP
HA	~36HP	KA	~44HP
Type	Total indoor unit capacity	Type	Total indoor unit capacity
GB/HB(sub)	~14HP	KB(sub)	~14HP
Sub-BC(Total)	~18HP	Sub-BC(Total)	No limits*

The JA type can handle up to the conventional GA and HA ranges.

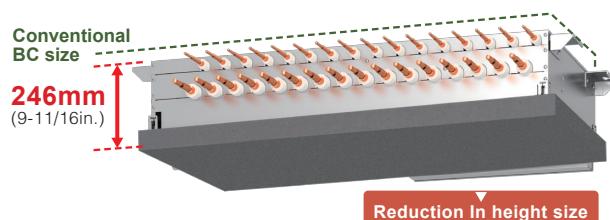
The KA type, which can be connected to units up to 44 HP, has been added to the product lineup to handle outdoor units with increased capacities.

* Depending on the outdoor unit HP

4 Reduced height

With an average lower height of 40.5mm compared to previous sub-BC controllers, the new design can be installed in ceilings with limited space.

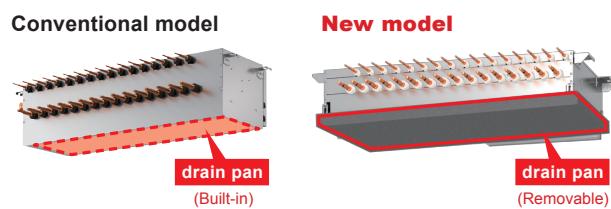
* Servicing space is required.



5 Improved accessibility to lower surface and serviceability

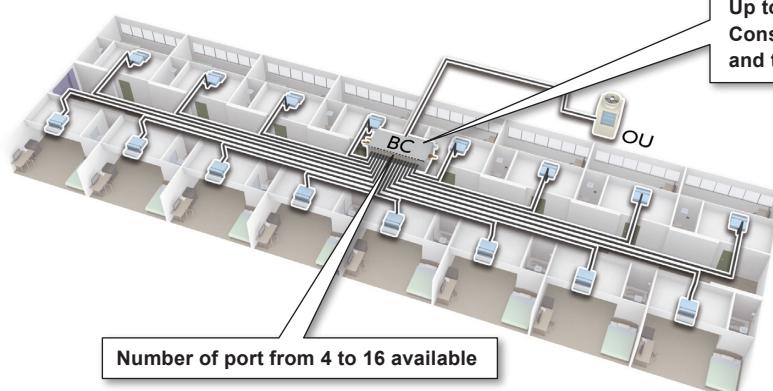
Previously, the drain pan on conventional models was built into the bottom and could not be removed. The drain pan of the new model is installed on the lower surface like a cover, making it easily removable for service from below. Serviceability is therefore improved compared to conventional units, which need to be serviced from the side.

* Service space is required.



BC controller design can be selected from various patterns depending on use.

(1) Pattern using multi-branch main BC controller



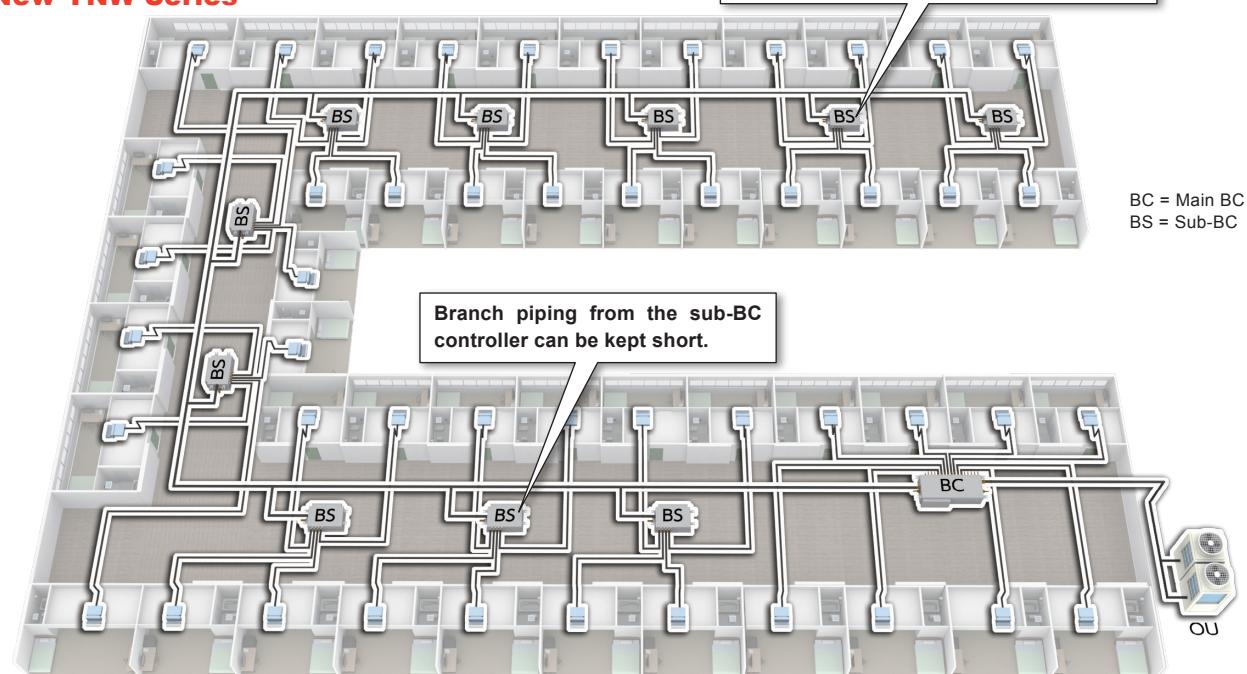
(2) The line-branching method with a main BC controller and sub-BC controllers New

The number of sub-BC controllers that can be connected has been increased from 2 to 11, and sub-BC controllers can be now installed closer to the indoor units, thus reducing both the total branch length compared to conventional models and the amount of refrigerant used.

- Low number of piping connections, even across many rooms.
- Low amount of refrigerant required.

New YNW Series

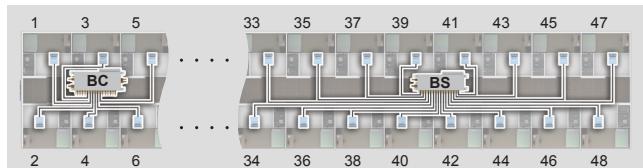
Up to 11 BS can be connected to one BC.



*When you install sub-BC controller, please refer to DATABOOK for full detail.

Comparison of piping design for 48 rooms

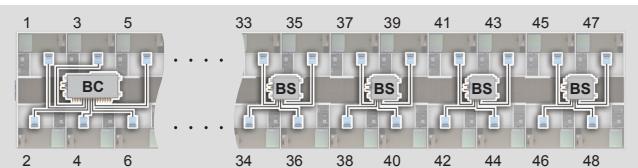
Conventional model



Branch piping from sub-BC controller is long

*The 16 branch BC controller is an older model, and is not possible in this design.

New model



The sub-BC controller can be installed near the indoor units, so the branch piping can be greatly reduced. This also reduces the length of system piping, enabling using less refrigerant design.

Overall branch piping length reduced

Refrigerate amount reduced by 20%*

- Outdoor unit: 36 HP
- Indoor units: P25 × 48 units
- BC controllers: Existing HA + HB (16-branch) × 2 units
New JA + KB (4-branch) × 10 units

Line up of Outdoor Units

R2 Series

*The circled numbers in the table indicate the horse power, and the combination of S, L, and XL modules.

System Type		Air Cooled Heat Pump											
Model name		R2 Series PURY-P YNW-A(-BS)			R2 Series PURY-P YSNW-A(-BS)			R2 Series (High efficiency) PURY-EP YNW-A(-BS)			R2 Series (High efficiency) PURY-EP YSNW-A(-BS)		
Model		size [S]		size [L]		size [XL]		size [S]		size [L]		size [XL]	
HP	modules	S	L	XL	S	L	XL	S	L	XL	S	L	XL
8HP	P200	8						8					
10HP	P250	10						10					
12HP	P300	12						12					
14HP	P350		14						14				
16HP	P400		16		8 8				16		8 8		
18HP	P450		18		8 10				18		8 10		
20HP	P500			20	10 10					20	10 10		
22HP	P550				10 12						10 12		
24HP	P600				12 12						12 12		
26HP	P650				12	14					12	14	
28HP	P700					14 14						14 14	
30HP	P750					14 16						14 16	
32HP	P800					16 16						16 16	
34HP	P850					16 18						16 18	
36HP	P900					18 18						18 18	
38HP	P950					18	20					18	20
40HP	P1000						20 20						20 20
42HP	P1050						20 22*						20 22*
44HP	P1100						22 22*						22 22*

*22HP (P550) can be used only in combination with others.

System Pipe Lengths [P200-P1100 (R2 Series)]

Refrigerant Piping Lengths	Maximum meters [Feet]
Total piping length	550 [1,804]
P200~P300	600 [1,968]
P350~P550 (single module)	750 [2,460]
P600~P1000	800 [2,624]
P700~P1,100	1,000 [3,280]
Maximum allowable length	165 (190 equivalent) [541(623)]

Maximum length between outdoor and single/main BC controller 110 [360]

*Maximum total length is dependent upon the distance between the outdoor unit and the single/main BC Controller.

Maximum length between single/main BC controller and indoor 40-90 [131-295]

and sub-BC controller*1

Vertical differentials between units Maximum meters [Feet]

Indoor/outdoor (outdoor higher) 50 [164]*3

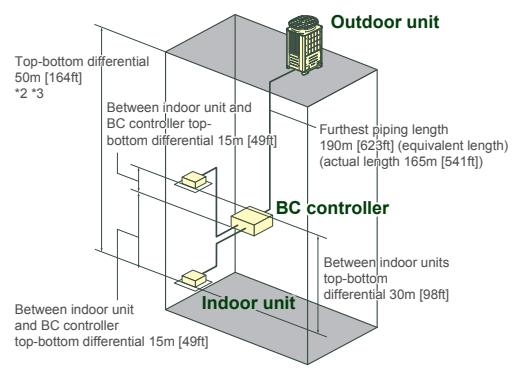
Indoor/outdoor (outdoor lower) 40 [131]*3

Indoor/BC controller (single/main) 15 [49]*4

*Maximum length between single/main BC controller and indoor is dependent upon the vertical differential between the single/main BC controller and the indoor unit.

Indoor/outdoor 30 [98]*2*5

Main BC Controller/Sub-BC Controller 15 [49]



*1 When you install a sub-BC controller, please refer to DATABOOK for full details.

*2 When the outdoor unit is installed below the indoor unit, top-bottom differential is 40m [131ft].

*3 Depending on the model and installation conditions, top-bottom differential 90m [295ft] (o/u above) and 60m [196ft] (o/u below) is available. For more detailed information, please contact your nearest sales office or distributor.

*4 Distance of Indoor sized P200, P250 from BC must be less than 10m [32ft], if any.

*5 Distance of Indoor sized P200, P250 from BC must be less than 20m [65ft], if any.



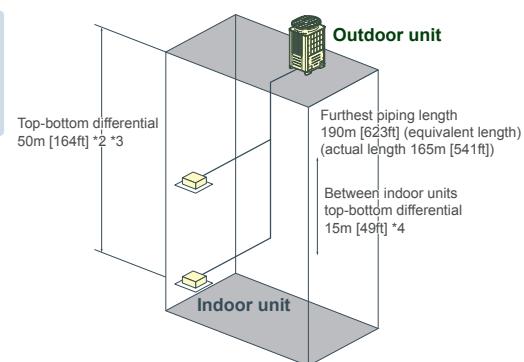
Y Series

*The circled numbers in the table indicate the horse power, and the combination of S, L, and XL modules.

System Type	Air Cooled Heat Pump												
	Y Series PUHY-P YNW-A(-BS)			Y Series PUHY-P YSNW-A(-BS)			Y Series High efficiency PUHY-EP YNW-A(-BS)			Y Series High efficiency PUHY-EP YSNW-A(-BS)			
Model	size S	size L	size XL	size S	size L	size XL	size S	size L	size XL	size S	size L	size XL	
	HP modules	S	L	XL	S	L	XL	S	L	XL	S	L	XL
4.5HP P112													
5HP P125													
6HP P140													
8HP P200	8						8						
10HP P250	10						10						
12HP P300	12						12						
14HP P350		14						14					
16HP P400		16		8 8			16			8 8			
18HP P450		18		8 10			18			8 10			
20HP P500			20	10 10					20	10 10			
22HP P550				10 12						10 12			
24HP P600				12 12						12 12			
26HP P650				10	16					10	16		
28HP P700					14 14						14 14		
30HP P750					14 16						14 16		
32HP P800					14 18						14 18		
34HP P850					16 18						16 18		
36HP P900					18 18						18 18		
38HP P950			10	14 14						10	14 14		
40HP P1000			10	14 16						10	14 16		
42HP P1050			10	16 16						10	16 16		
44HP P1100				14 14 16							14 14 16		
46HP P1150				14 16 16							14 16 16		
48HP P1200				16 16 16							16 16 16		
50HP P1250				16 16 18							16 16 18		
52HP P1300				16 18 18							16 18 18		
54HP P1350				18 18 18							18 18 18		

System Pipe Lengths [P200-P1350 (Y Series)]

Refrigerant Piping Lengths	Maximum meters [Feet]	Vertical differentials between units	Maximum meters [Feet]
Total length	1,000 [3,280]	Indoor/outdoor (outdoor higher)	50 [164]*2
Maximum allowable length	165 (190 equivalent) [541(623)]	Indoor/outdoor (outdoor lower)	40 [131]*3
Farthest indoor from first branch	40 [131]*1	Indoor/indoor	15 [49]*4



*1 90m [295ft] is available. When the piping length exceeds 40m [131ft], use one size larger liquid pipe starting with the section of piping where 40m [131ft] is exceeded and all piping after that point.

*2 90m [295ft] is available depending on the model and installation conditions. For more detailed information, contact your local distributor.

*3 60m [196ft] is available depending on the model and installation conditions. For more detailed information, contact your local distributor.

*4 30m [98ft] is available. If the height difference between indoor units exceeds 15m [49ft] (but does not exceed 30m [98ft]), use one size larger pipes for indoor unit liquid pipes.

OUTDOOR UNIT R2 Series

PURY-P YNW-A(-BS)



Specifications

Model	PURY-P200YNW-A (-BS)	PURY-P250YNW-A (-BS)	PURY-P300YNW-A (-BS)	PURY-P350YNW-A (-BS)																																																												
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz																																																												
Cooling capacity (Nominal) *1	<table border="1"> <tr> <td>kW</td><td>22.4</td><td>28.0</td><td>33.5</td><td>40.0</td></tr> <tr> <td>BTU/h</td><td>76,400</td><td>95,500</td><td>114,300</td><td>136,500</td></tr> </table>	kW	22.4	28.0	33.5	40.0	BTU/h	76,400	95,500	114,300	136,500	<table border="1"> <tr> <td>kW</td><td>4.43</td><td>5.97</td><td>7.54</td><td>10.04</td></tr> <tr> <td>Current input A</td><td>7.4-7.1-6.8</td><td>10.0-9.5-9.2</td><td>12.7-12.0-11.6</td><td>16.9-16.1-15.5</td></tr> <tr> <td>EER kW/kW</td><td>5.05</td><td>4.69</td><td>4.44</td><td>3.98</td></tr> </table>	kW	4.43	5.97	7.54	10.04	Current input A	7.4-7.1-6.8	10.0-9.5-9.2	12.7-12.0-11.6	16.9-16.1-15.5	EER kW/kW	5.05	4.69	4.44	3.98	<table border="1"> <tr> <td>Indoor W.B.</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr> <td>Outdoor D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor W.B.	15.0-24.0 °C (59-75 °F)	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr> <td>Indoor W.B.</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr> <td>Outdoor D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor W.B.	15.0-24.0 °C (59-75 °F)	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)																											
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Current input A	7.9-7.5-7.2	10.2-9.7-9.3	14.1-13.4-12.9	18.0-17.1-16.5																																																												
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Temp. range of heating	<table border="1"> <tr> <td>Indoor D.B.</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr> <td>Outdoor W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor D.B.	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr> <td>Indoor D.B.</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr> <td>Outdoor W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor D.B.	15.0-27.0 °C (59-81 °F)	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr> <td>Indoor D.B.</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr> <td>Outdoor W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor D.B.	15.0-27.0 °C (59-81 °F)	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr> <td>Indoor D.B.</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr> <td>Outdoor W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor D.B.	15.0-27.0 °C (59-81 °F)	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)																																									
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Indoor unit connectable	Total capacity	50-150%	50-150%	50-150%																																																												
	Model / Quantity	P15~P250/1~20	P15~P250/1~25	P15~P250/1~30																																																												
Sound pressure level (measured in anechoic room) *4	dB <A>	59.0 / 59.0	60.5 / 61.0	61.0 / 67.0																																																												
Sound power level (measured in anechoic room) *4	dB <A>	76.0 / 78.0	78.5 / 80.0	80.0 / 86.5																																																												
Refrigerant piping diameter	High pressure mm (in.)	15.88 (5/8) Braze	19.05 (3/4) Braze	19.05 (3/4) Braze																																																												
	Low pressure mm (in.)	19.05 (3/4) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze																																																												
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1																																																												
	Air flow rate m ³ /min	170	185	240																																																												
	L/s	2,833	3,083	4,000																																																												
	cfm	6,003	6,532	8,474																																																												
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor																																																												
	Motor output kW	0.92 x 1	0.92 x 1	0.92 x 1																																																												
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)																																																												
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor																																																												
	Starting method	Inverter	Inverter	Inverter																																																												
	Motor output kW	5.6	7.0	7.9																																																												
	Case heater kW	-	-	-																																																												
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>																																																												
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740																																																												
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16																																																												
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)																																																												
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection																																																												
	Compressor	-	-	-																																																												
	Fan motor	-	-	-																																																												
Refrigerant	Type x original charge	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)																																																												
	Net weight kg (lbs)	229 (505)	229 (505)	231 (510)																																																												
Heat exchanger		Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube																																																												
Optional parts			Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 BC controller: CMB-P104, 106, 108, 1012, 1016V-J Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB																																																													

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FDB), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT R2 Series

PURY-P YNW-A(-BS)



Specifications

Model	PURY-P400YNW-A (-BS)		PURY-P450YNW-A (-BS)		PURY-P500YNW-A (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW BTU/h	45.0 153,500	50.0 170,600	56.0 191,100	
	Power input Current input EER	kW A kW/kW	11.59 19.5-18.5-17.9 3.88	12.37 20.8-19.8-19.1 4.04	12.72 21.4-20.3-19.6 4.40	
Temp. range of cooling	Indoor Outdoor	W.B. D.B.	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2	kW BTU/h	50.0 170,600	56.0 191,100	63.0 215,000	
	Power input Current input COP	kW A kW/kW	13.65 23.0-21.8-21.0 3.66	13.48 22.7-21.6-20.8 4.15	15.28 25.7-24.5-23.6 4.12	
	(Nominal)	*3	kW BTU/h	45.0 153,500	50.0 170,600	56.0 191,100
	Power input Current input COP	kW A kW/kW	10.29 17.3-16.5-15.9 4.37	10.91 18.4-17.4-16.8 4.58	12.09 20.4-19.3-18.6 4.63	
Temp. range of heating	Indoor Outdoor	D.B. W.B.	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity Model / Quantity		50-150%	50-150%	50-150%	
Sound pressure level (measured in anechoic room)	*4	dB <A>	65.0 / 69.0	65.5 / 70.0	63.5 / 64.5	
Sound power level (measured in anechoic room)	*4	dB <A>	83.0 / 88.0	83.0 / 89.0	82.0 / 84.0	
Refrigerant piping diameter	High pressure Low pressure	mm (in.)	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
	Air flow rate	m³/min L/s cfm	315 5,250 11,123	315 5,250 11,123	295 4,917 10,416	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	
	Motor output	kW	0.46 x 2	0.46 x 2	0.92 x 2	
	*5 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	Inverter	
	Motor output	kW	10.9	12.4	13.0	
	Case heater	kW	-	-	-	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,750 x 740	
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	
Protection devices	High pressure protection Inverter circuit (COMP/FAN) Compressor Fan motor		High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 8.0 kg (18 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	
Net weight	kg (lbs)		273 (602)	293 (646)	337 (743)	
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	
Optional parts				Joint: CMY-Y102SS-G2, CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FDB.), Outdoor: 7 °CD.B./6 °CW.B, (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

R2 Series

PURY-P YSNW-A(-BS)



Specifications

Model	PURY-P400YSNW-A (-BS)		PURY-P450YSNW-A (-BS)		PURY-P500YSNW-A (-BS)		
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW BTU/h	45.0 153,500	50.0 170,600	56.0 191,100		
	Power input Current input EER	kW A kW/kW	9.17 15.4-14.7-14.1 4.90	10.59 17.8-16.9-16.3 4.72	12.29 20.7-19.7-18.9 4.55		
Temp. range of cooling	Indoor Outdoor	W.B. D.B.	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)		
Heating capacity (Max)	*2	kW BTU/h	50.0 170,600	56.0 191,100	63.0 215,000		
	Power input Current input COP	kW A kW/kW	9.72 16.4-15.5-15.0 5.14	10.99 18.5-17.6-16.9 5.09	12.51 21.1-20.0-19.3 5.03		
(Nominal)	*3	kW BTU/h	45.0 153,500	50.0 170,600	56.0 191,100		
	Power input Current input COP	kW A kW/kW	8.58 14.4-13.7-13.2 5.24	9.63 16.2-15.4-14.8 5.19	10.87 18.3-17.4-16.8 5.15		
Temp. range of heating	Indoor Outdoor	D.B. W.B.	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)		
Indoor unit connectable	Total capacity Model / Quantity	50-150% of outdoor unit capacity P15-P250/1~40		50-150% of outdoor unit capacity P15-P250/1~45		50-150% of outdoor unit capacity P15-P250/1~50	
Sound pressure level (measured in anechoic room)	*4	dB <A>	62.0 / 62.0	63.0 / 63.5	63.5 / 64.0		
Sound power level (measured in anechoic room)	*4	dB <A>	79.0 / 81.0	80.5 / 82.5	81.5 / 83.0		
Refrigerant piping diameter	High pressure Low pressure	mm (in.)	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed		
Set Model							
Model	PURY-P200YNW-A (-BS)	PURY-P200YNW-A (-BS)	PURY-P200YNW-A (-BS)	PURY-P250YNW-A (-BS)	PURY-P250YNW-A (-BS)	PURY-P250YNW-A (-BS)	
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	
	Air flow rate	m ³ /min L/s cfm	170 2,833 6,003	170 2,833 6,003	185 3,083 6,532	185 3,083 6,532	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	5.6	5.6	7.0	7.0	
	Case heater	kW	-	-	-	-	
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-	-
	Fan motor	-	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 5.2 kg (12 lbs)		R410A x 5.2 kg (12 lbs)		R410A x 5.2 kg (12 lbs)	
Net weight	kg (lbs)	229 (505)	229 (505)	229 (505)	229 (505)	229 (505)	229 (505)
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	High pressure Low pressure	mm (in.)	15.88 (5/8) Brazed 19.05 (3/4) Brazed	15.88 (5/8) Brazed 19.05 (3/4) Brazed	15.88 (5/8) Brazed 19.05 (3/4) Brazed	19.05 (3/4) Brazed 22.2 (7/8) Brazed	19.05 (3/4) Brazed 22.2 (7/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-R100V р Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		Outdoor Twinning kit: CMY-R100V р Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		Outdoor Twinning kit: CMY-R100V р Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/6°C WB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FDB), Outdoor: 7 °CDB, 6 °CWB, (45 °FD, B, 43 °FWB.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O)

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

R2 Series

PURY-P YSNW-A(-BS)



Specifications

Model	PURY-P550YSNW-A (-BS)		PURY-P600YSNW-A (-BS)		PURY-P650YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	63.0	69.0	73.0		
		BTU/h	215,000	235,400	249,100		
	Power input	kW	14.45	16.62	18.19		
	Current input	A	24.3-23.1-22.3	28.0-26.6-25.6	30.7-29.1-28.1		
	EER	kW/kW	4.35	4.15	4.01		
Temp. range of cooling	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)		
	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)		
Heating capacity (Max)	*2	kW	69.0	76.5	81.5		
		BTU/h	235,400	261,000	278,100		
	Power input	kW	14.70	17.62	19.35		
	Current input	A	24.8-23.5-22.7	29.7-28.2-27.2	32.6-31.0-29.9		
	COP	kW/kW	4.69	4.34	4.21		
(Nominal)	*3	kW	63.0	69.0	73.0		
		BTU/h	215,000	235,400	249,100		
	Power input	kW	13.01	15.26	16.39		
	Current input	A	24.8-23.5-22.7	25.7-24.4-23.5	27.6-26.2-25.3		
	COP	kW/kW	4.84	4.52	4.45		
Temp. range of heating	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)		
	Outdoor	W.B.	-20.0-15.5 °C (4-60 °F)	-20.0-15.5 °C (4-60 °F)	-20.0-15.5 °C (4-60 °F)		
Indoor unit connectable	Total capacity	50-150% of outdoor unit capacity		50-150% of outdoor unit capacity		50-150% of outdoor unit capacity	
	Model / Quantity	P15-P250/2-50		P15-P250/2-50		P15-P250/2-50	
Sound pressure level (measured in anechoic room)	*4	dB <A>	64.0 / 68.0	64.0 / 70.0	65.0 / 69.0		
Sound power level (measured in anechoic room)	*4	dB <A>	82.5 / 87.5	83.0 / 89.5	83.5 / 88.5		
Refrigerant piping diameter	High pressure	mm (in.)	22.2 (7/8) Braze (1-1/8 (28.58) Braze for the part that exceeds 65 m)	22.2 (7/8) Braze (1-1/8 (28.58) Braze for the part that exceeds 65 m)	28.58 (1-1/8) Braze		
	Low pressure	mm (in.)	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze		
Set Model							
Model	PURY-P250YSNW-A (-BS)	PURY-P300YSNW-A (-BS)	PURY-P300YSNW-A (-BS)	PURY-P300YSNW-A (-BS)	PURY-P300YSNW-A (-BS)	PURY-P350YSNW-A (-BS)	
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	
	Air flow rate	m³/min	185	240	240	240	
		L/s	3,083	4,000	4,000	4,000	
		cfm	6,532	8,474	8,474	8,828	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	
Compressor	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	7.0	7.9	7.9	7.9	
Case heater		kW	-	-	-	-	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 1,240 x 740	
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-	
	Fan motor	-	-	-	-	-	
Refrigerant	Type x original charge	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	
Net weight	kg (lbs)	229 (505)	231 (510)	231 (510)	231 (510)	273 (602)	
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	High pressure	mm (in.)	19.05 (3/4) Braze	19.05 (3/4) Braze	19.05 (3/4) Braze	19.05 (3/4) Braze	
	Low pressure	mm (in.)	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze	
Optional parts		Outdoor Twinning kit: CMY-R100VBK4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		Outdoor Twinning kit: CMY-R100VBK4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		Outdoor Twinning kit: CMY-R100VBK4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB	

Notes:

*1, *2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/6°C WB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

R2 Series

PURY-P YSNW-A(-BS)



Specifications

Model	PURY-P700YSNW-A (-BS)		PURY-P750YSNW-A (-BS)		PURY-P800YSNW-A (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW BTU/h	80.0 273,000	85.0 290,000	90.0 307,100	
	Power input Current input EER	kW A kW/kW	20.72 34.9-33.2-32.0 3.86	22.30 37.6-35.7-34.4 3.81	23.93 40.3-38.3-36.9 3.76	
Temp. range of cooling	Indoor Outdoor	W.B. D.B.	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2	kW BTU/h	88.0 300,300	95.0 324,100	100.0 341,200	
	Power input Current input COP	kW A kW/kW	21.56 36.3-34.5-33.3 4.08	24.86 41.9-39.8-38.4 3.82	28.16 47.5-45.1-43.5 3.55	
(Nominal)	*3	kW BTU/h	80.0 273,000	85.0 290,000	90.0 307,100	
	Power input Current input COP	kW A kW/kW	18.25 30.8-29.2-28.2 4.38	19.71 33.2-31.6-30.4 4.31	21.22 35.8-34.0-32.8 4.24	
Temp. range of heating	Indoor Outdoor	D.B. W.B.	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity Model / Quantity	50-150% of outdoor unit capacity P15-P250/2-50		50-150% of outdoor unit capacity P15-P250/2-50		50-150% of outdoor unit capacity P15-P250/2-50
Sound pressure level (measured in anechoic room)	*4	dB <A>	65.5 / 67.0	67.0 / 70.5	68.0 / 72.0	
Sound power level (measured in anechoic room)	*4	dB <A>	84.0 / 86.0	85.5 / 89.5	86.0 / 91.0	
Refrigerant piping diameter	High pressure Low pressure	mm (in.)	28.58 (1-1/8) Brazed 34.93 (1-3/8) Brazed	28.58 (1-1/8) Brazed 34.93 (1-3/8) Brazed	28.58 (1-1/8) Brazed 34.93 (1-3/8) Brazed	
Set Model						
Model	PURY-P350YNW-A (-BS)	PURY-P350YNW-A (-BS)	PURY-P350YNW-A (-BS)	PURY-P400YNW-A (-BS)	PURY-P400YNW-A (-BS)	PURY-P400YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m³/min L/s cfm	250 4,167 8,828	250 4,167 8,828	315 5,250 11,123	315 5,250 11,123
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.48 x 2	0.46 x 2	0.46 x 2	0.46 x 2
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.2	10.2	10.2	10.9
	Case heater	kW	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)
Net weight	kg (lbs)	273 (602)	273 (602)	273 (602)	273 (602)	273 (602)
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	High pressure Low pressure	mm (in.) mm (in.)	19.05 (3/4) Brazed 28.58 (1-1/8) Brazed	19.05 (3/4) Brazed 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-R200VBK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		Outdoor Twinning kit: CMY-R200VBK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		Outdoor Twinning kit: CMY-R200VBK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104V-KB	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/6°C WB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FDB), Outdoor: 7 °CDB, 6 °CWB, (45 °FD, B./43 °FWB.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O)

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

R2 Series

PURY-P YSNW-A(-BS)



Specifications

Model	PURY-P850YSNW-A (-BS)	PURY-P900YSNW-A (-BS)	PURY-P950YSNW-A (-BS)																		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz																		
Cooling capacity (Nominal) *1	<table border="1"> <tr><td>kW</td><td>96.0</td></tr> <tr><td>BTU/h</td><td>327,600</td></tr> </table>	kW	96.0	BTU/h	327,600	<table border="1"> <tr><td>kW</td><td>101.0</td></tr> <tr><td>BTU/h</td><td>344,600</td></tr> </table>	kW	101.0	BTU/h	344,600	<table border="1"> <tr><td>kW</td><td>108.0</td></tr> <tr><td>BTU/h</td><td>368,500</td></tr> </table>	kW	108.0	BTU/h	368,500						
kW	96.0																				
BTU/h	327,600																				
kW	101.0																				
BTU/h	344,600																				
kW	108.0																				
BTU/h	368,500																				
Power input	24.99	25.76	26.40																		
Current input	A	42.1-40.0-38.6	43.4-41.3-39.8																		
EER	kW/kW	3.84	3.92																		
Temp. range of cooling	<table border="1"> <tr><td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr><td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr><td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)
Indoor	W.B.	15.0-24.0 °C (59-75 °F)																			
Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)																			
Indoor	W.B.	15.0-24.0 °C (59-75 °F)																			
Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)																			
Indoor	W.B.	15.0-24.0 °C (59-75 °F)																			
Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)																			
Heating capacity (Max)	<table border="1"> <tr><td>kW</td><td>108.0</td></tr> <tr><td>BTU/h</td><td>368,500</td></tr> </table>	kW	108.0	BTU/h	368,500	<table border="1"> <tr><td>kW</td><td>113.0</td></tr> <tr><td>BTU/h</td><td>385,600</td></tr> </table>	kW	113.0	BTU/h	385,600	<table border="1"> <tr><td>kW</td><td>119.5</td></tr> <tr><td>BTU/h</td><td>407,700</td></tr> </table>	kW	119.5	BTU/h	407,700						
kW	108.0																				
BTU/h	368,500																				
kW	113.0																				
BTU/h	385,600																				
kW	119.5																				
BTU/h	407,700																				
Power input	28.49	28.03	29.79																		
Current input	A	48.0-45.6-44.0	47.3-44.9-43.3																		
COP	kW/kW	3.79	4.03																		
(Nominal) *3	<table border="1"> <tr><td>kW</td><td>96.0</td></tr> <tr><td>BTU/h</td><td>327,600</td></tr> </table>	kW	96.0	BTU/h	327,600	<table border="1"> <tr><td>kW</td><td>101.0</td></tr> <tr><td>BTU/h</td><td>344,600</td></tr> </table>	kW	101.0	BTU/h	344,600	<table border="1"> <tr><td>kW</td><td>108.0</td></tr> <tr><td>BTU/h</td><td>368,500</td></tr> </table>	kW	108.0	BTU/h	368,500						
kW	96.0																				
BTU/h	327,600																				
kW	101.0																				
BTU/h	344,600																				
kW	108.0																				
BTU/h	368,500																				
Power input	22.11	22.74	24.15																		
Current input	A	37.3-35.4-34.1	38.3-36.4-35.1																		
COP	kW/kW	4.34	4.44																		
Temp. range of heating	<table border="1"> <tr><td>Indoor</td><td>D.B.</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr><td>Indoor</td><td>D.B.</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr><td>Indoor</td><td>D.B.</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)
Indoor	D.B.	15.0-27.0 °C (59-81 °F)																			
Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)																			
Indoor	D.B.	15.0-27.0 °C (59-81 °F)																			
Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)																			
Indoor	D.B.	15.0-27.0 °C (59-81 °F)																			
Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)																			
Indoor unit connectable	Total capacity	50-150% of outdoor unit capacity	50-150% of outdoor unit capacity																		
	Model / Quantity	P15-P250/2~50	P15-P250/2~50																		
Sound pressure level (measured in anechoic room) *4	dB <A>	68.5 / 72.5	68.5 / 73.0	68.0 / 71.5																	
Sound power level (measured in anechoic room) *4	dB <A>	86.0 / 91.5	86.0 / 92.0	85.5 / 90.5																	
Refrigerant piping diameter	High pressure mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed																	
	Low pressure mm (in.)	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed	41.28 (1-5/8) Brazed																	

Set Model

Model	PURY-P400YNW-A (-BS)	PURY-P450YNW-A (-BS)	PURY-P450YNW-A (-BS)	PURY-P450YNW-A (-BS)	PURY-P450YNW-A (-BS)	PURY-P500YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	315	315	315	315	295
	m³/min					
	L/s	5,250	5,250	5,250	5,250	4,917
	cfm	11,123	11,123	11,123	11,123	10,416
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.48 x 2	0.46 x 2	0.46 x 2	0.46 x 2
*5	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.9	12.4	12.4	12.4
	Case heater	kW	-	-	-	-
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
Net weight	kg (lbs)	273 (602)	293 (646)	293 (646)	293 (646)	337 (743)
Heat exchanger		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube
Pipe between unit and distributor	High pressure mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
	Low pressure mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts		Outdoor Twinning kit: CMY-R200VK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104V-KB	Outdoor Twinning kit: CMY-R200VK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104V-KB	Outdoor Twinning kit: CMY-R200VK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P1016V-KA Sub BC controller: CMB-P104V-KB	Outdoor Twinning kit: CMY-R200VK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P1016V-KA Sub BC controller: CMB-P104V-KB	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/6°C WB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FDB), Outdoor: 7 °CDB, 6 °CWB, (45 °FD, B./43 °FWB.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa, 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

R2 Series

PURY-P YSNW-A(-BS)



Specifications

Model	PURY-P1000YSNW-A (-BS)		PURY-P1050YSNW-A (-BS)		PURY-P1100YSNW-A (-BS)		
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW BTU/h	113.0 385,600	118.0 402,600	124.0 423,100		
	Power input Current input EER	kW A kW/kW	26.45 44.6-42.4-40.8 4.27	29.20 49.2-46.8-45.1 4.04	32.54 54.9-52.1-50.2 3.81		
Temp. range of cooling	Indoor Outdoor	W.B. D.B.	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)		
Heating capacity (Max)	*2	kW BTU/h	127.0 433,300	132.0 450,400	140.0 477,700		
	Power input Current input COP	kW A kW/kW	31.74 53.5-50.9-49.0 4.00	34.10 57.5-54.6-52.7 3.87	37.52 63.3-60.1-57.9 3.73		
(Nominal)	*3	kW BTU/h	113.0 385,600	118.0 402,600	124.0 423,100		
	Power input Current input COP	kW A kW/kW	25.16 42.4-40.3-38.8 4.49	27.05 45.6-43.3-41.8 4.36	29.30 49.4-46.9-45.2 4.23		
Temp. range of heating	Indoor Outdoor	D.B. W.B.	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)		
Indoor unit connectable	Total capacity Model / Quantity	50-150% of outdoor unit capacity P15-P250/2-50		50-150% of outdoor unit capacity P15-P250/3-50		50-150% of outdoor unit capacity P15-P250/3-50	
Sound pressure level (measured in anechoic room)	*4	dB <A>	66.5 / 67.5	68.0 / 73.0	69.0 / 73.0		
Sound power level (measured in anechoic room)	*4	dB <A>	85.0 / 87.0	86.0 / 92.0	86.5 / 92.0		
Refrigerant piping diameter	High pressure Low pressure	mm (in.)	28.58 (1-1/8) Brazed 41.28 (1-5/8) Brazed	34.93 (1-3/8) Brazed 41.28 (1-5/8) Brazed	34.93 (1-3/8) Brazed 41.28 (1-5/8) Brazed		
Set Model							
Model	PURY-P500YNW-A (-BS)	PURY-P500YNW-A (-BS)	PURY-P500YNW-A (-BS)	PURY-P500YNW-A (-BS)*	PURY-P500YNW-A (-BS)*	PURY-P500YNW-A (-BS)*	
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
	Air flow rate	m³/min L/s cfm	295 4,917 10,416	295 4,917 10,416	410 6,833 14,477	410 6,833 14,477	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	
	Motor output	kW	13.0	13.0	13.0	14.3	
	Case heater	kW	-	-	-	-	
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,750 x 740	1,858 (1,798 without legs) x 1,750 x 740	1,858 (1,798 without legs) x 1,750 x 740	1,858 (1,798 without legs) x 1,750 x 740	1,858 (1,798 without legs) x 1,750 x 740	
	in.	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-	-
	Fan motor	-	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	
Net weight	kg (lbs)	337 (743)	337 (743)	337 (743)	337 (743)	337 (743)	
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	High pressure Low pressure	mm (in.)	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	22.2 (7/8) Brazed 28.58 (1-1/8) Brazed	
		mm (in.)	(81°F DB/66°F WB)	(45°F DB/75°F WB)	(45°F DB/43°F WB)	(22.2 (7/8) Brazed 28.58 (1-1/8) Brazed)	
Optional parts	Outdoor Twinning kit: CMY-R200V р4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		Outdoor Twinning kit: CMY-R200V р4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		Outdoor Twinning kit: CMY-R200V р4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		

Notes:

*1, *2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, 68 °FDB, Outdoor: 7 °CDB, 6 °CWB, (45 °FD, B./43 °FWB.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa, 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O)

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

*22HP (P550) can be used only in combination with others.

OUTDOOR UNIT

R2 Series - High efficiency

PURY-EP YNW-A(-BS)



Specifications

Model	PURY-EP200YNW-A (-BS)	PURY-EP250YNW-A (-BS)	PURY-EP300YNW-A (-BS)	PURY-EP350YNW-A (-BS)																								
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz																								
Cooling capacity (Nominal) *1	<table border="1"> <tr><td>kW</td><td>22.4</td></tr> <tr><td>BTU/h</td><td>76,400</td></tr> </table>	kW	22.4	BTU/h	76,400	<table border="1"> <tr><td>kW</td><td>28.0</td></tr> <tr><td>BTU/h</td><td>95,500</td></tr> </table>	kW	28.0	BTU/h	95,500	<table border="1"> <tr><td>kW</td><td>33.5</td></tr> <tr><td>BTU/h</td><td>114,300</td></tr> </table>	kW	33.5	BTU/h	114,300	<table border="1"> <tr><td>kW</td><td>40.0</td></tr> <tr><td>BTU/h</td><td>136,500</td></tr> </table>	kW	40.0	BTU/h	136,500								
kW	22.4																											
BTU/h	76,400																											
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kW	33.5																											
BTU/h	114,300																											
kW	40.0																											
BTU/h	136,500																											
Power input	4.23	5.62	7.39	8.81																								
Current input	A	7.1-6.7-6.5	9.4-9.0-8.6	12.4-11.8-11.4																								
EER	5.29	4.98	4.53	4.54																								
Temp. range of cooling	<table border="1"> <tr><td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr><td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr><td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr><td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)
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Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)																										
Heating capacity (Max)	<table border="1"> <tr><td>kW</td><td>25.0</td></tr> <tr><td>BTU/h</td><td>85,300</td></tr> </table>	kW	25.0	BTU/h	85,300	<table border="1"> <tr><td>kW</td><td>31.5</td></tr> <tr><td>BTU/h</td><td>107,500</td></tr> </table>	kW	31.5	BTU/h	107,500	<table border="1"> <tr><td>kW</td><td>37.5</td></tr> <tr><td>BTU/h</td><td>128,000</td></tr> </table>	kW	37.5	BTU/h	128,000	<table border="1"> <tr><td>kW</td><td>45.0</td></tr> <tr><td>BTU/h</td><td>153,500</td></tr> </table>	kW	45.0	BTU/h	153,500								
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kW	37.5																											
BTU/h	128,000																											
kW	45.0																											
BTU/h	153,500																											
Power input	4.57	5.98	8.36	10.24																								
Current input	A	7.7-7.3-7.0	10.0-9.5-9.2	14.1-13.4-12.9																								
COP	5.47	5.26	4.48	4.39																								
(Nominal) *3	<table border="1"> <tr><td>kW</td><td>22.4</td></tr> <tr><td>BTU/h</td><td>76,400</td></tr> </table>	kW	22.4	BTU/h	76,400	<table border="1"> <tr><td>kW</td><td>28.0</td></tr> <tr><td>BTU/h</td><td>95,500</td></tr> </table>	kW	28.0	BTU/h	95,500	<table border="1"> <tr><td>kW</td><td>33.5</td></tr> <tr><td>BTU/h</td><td>114,300</td></tr> </table>	kW	33.5	BTU/h	114,300	<table border="1"> <tr><td>kW</td><td>40.0</td></tr> <tr><td>BTU/h</td><td>136,500</td></tr> </table>	kW	40.0	BTU/h	136,500								
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kW	33.5																											
BTU/h	114,300																											
kW	40.0																											
BTU/h	136,500																											
Power input	3.95	5.23	6.80	8.78																								
Current input	A	6.6-6.3-6.1	8.8-8.3-8.0	11.4-10.9-10.5																								
COP	5.67	5.35	4.92	4.55																								
Temp. range of heating	<table border="1"> <tr><td>Indoor</td><td>D.B.</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr><td>Indoor</td><td>D.B.</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr><td>Indoor</td><td>D.B.</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr><td>Indoor</td><td>D.B.</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)
Indoor	D.B.	15.0-27.0 °C (59-81 °F)																										
Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)																										
Indoor	D.B.	15.0-27.0 °C (59-81 °F)																										
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Indoor	D.B.	15.0-27.0 °C (59-81 °F)																										
Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)																										
Indoor	D.B.	15.0-27.0 °C (59-81 °F)																										
Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)																										
Indoor unit connectable	Total capacity	50-150%	50-150%	50-150%																								
	Model / Quantity	P15~P250/1~20	P15~P250/1~25	P15~P250/1~30																								
Sound pressure level (measured in anechoic room) *4	dB <A>	59.0 / 59.0	60.5 / 61.0	61.0 / 67.0																								
Sound power level (measured in anechoic room) *4	dB <A>	76.0 / 78.0	78.5 / 80.0	80.0 / 86.5																								
Refrigerant piping	High pressure mm (in.)	15.88 (5/8) Braze	19.05 (3/4) Braze	19.05 (3/4) Braze																								
diameter	Low pressure mm (in.)	19.05 (3/4) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze																								
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1																								
	Air flow rate m ³ /min	170	185	240																								
	L/s	2,833	3,083	4,000																								
	cfm	6,003	6,532	8,474																								
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor																								
	Motor output kW	0.92 x 1	0.92 x 1	0.92 x 1																								
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)																								
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor																								
	Starting method	Inverter	Inverter	Inverter																								
	Motor output kW	5.6	7.0	7.9																								
	Case heater kW	-	-	-																								
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>																								
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740																								
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16																								
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)																								
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection																								
	Compressor	-	-	-																								
	Fan motor	-	-	-																								
Refrigerant	Type x original charge	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)																								
Net weight	kg (lbs)	234 (516)	234 (516)	236 (521)																								
Heat exchanger		Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube																								
Optional parts		Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, BC controller: CMB-P104, 106, 108, 1012, 1016V-J, Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA, Sub BC controller: CMB-P104V-KB																										

Notes:

*1, *2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

R2 Series - High efficiency

PURY-EP YNW-A(-BS)



Specifications

Model	PURY-EP400YNW-A (-BS)		PURY-EP450YNW-A (-BS)		PURY-EP500YNW-A (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW: 45.0 BTU/h: 153,500		kW: 50.0 BTU/h: 170,600		kW: 56.0 BTU/h: 191,100
	Power input	kW: 11.33		kW: 10.72		kW: 12.69
	Current input	A: 19.1-18.1-17.5		A: 18.0-17.1-16.5		A: 21.4-20.3-19.6
	EER	kW/kW: 3.97		kW/kW: 4.66		kW/kW: 4.41
Temp. range of cooling	Indoor	W.B. 15.0-24.0 °C (59-75 °F)		15.0-24.0 °C (59-75 °F)		15.0-24.0 °C (59-75 °F)
	Outdoor	D.B. -5.0-52.0 °C (23-126 °F)		-5.0-52.0 °C (23-126 °F)		-5.0-52.0 °C (23-126 °F)
Heating capacity (Max)	*2	kW: 50.0 BTU/h: 170,600		kW: 56.0 BTU/h: 191,100		kW: 63.0 BTU/h: 215,000
	Power input	kW: 12.98		kW: 13.14		kW: 14.21
	Current input	A: 21.9-20.8-20.0		A: 22.1-21.0-20.3		A: 23.9-22.7-21.9
	COP	kW/kW: 3.85		kW/kW: 4.26		kW/kW: 4.43
(Nominal)	*3	kW: 45.0 BTU/h: 153,500		kW: 50.0 BTU/h: 170,600		kW: 56.0 BTU/h: 191,100
	Power input	kW: 10.24		kW: 10.01		kW: 11.78
	Current input	A: 17.2-16.4-15.8		A: 16.8-16.0-15.4		A: 19.8-18.8-18.2
	COP	kW/kW: 4.39		kW/kW: 4.99		kW/kW: 4.75
Temp. range of heating	Indoor	D.B. 15.0-27.0 °C (59-81 °F)		15.0-27.0 °C (59-81 °F)		15.0-27.0 °C (59-81 °F)
	Outdoor	W.B. -20.0-15.5 °C (-4-60 °F)		-20.0-15.5 °C (-4-60 °F)		-20.0-15.5 °C (-4-60 °F)
Indoor unit connectable	Total capacity	50-150%		50-150%		50-150%
	Model / Quantity	P15-P250/1~40		P15-P250/1~45		P15-P250/1~50
Sound pressure level (measured in anechoic room)	*4	dB <A>: 65.0 / 69.0		65.5 / 70.0		63.5 / 64.5
Sound power level (measured in anechoic room)	*4	dB <A>: 83.0 / 88.0		83.0 / 89.0		82.0 / 84.0
Refrigerant piping	High pressure	mm (in.): 22.2 (7/8) Brazed		22.2 (7/8) Brazed		22.2 (7/8) Brazed
	Low pressure	mm (in.): 28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2		Propeller fan x 2
	Air flow rate	m³/min: 315 L/s: 5,250 cfm: 11,123		m³/min: 315 L/s: 5,250 cfm: 11,123		m³/min: 295 L/s: 4,917 cfm: 10,416
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor
	Motor output	kW: 0.46 x 2		kW: 0.46 x 2		kW: 0.92 x 2
	*5 External static press.	0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor
	Starting method	Inverter		Inverter		Inverter
	Motor output	kW: 10.9		kW: 12.4		kW: 13.0
	Case heater	kW:		-		-
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740		1,858 (1,798 without legs) x 1,240 x 740		1,858 (1,798 without legs) x 1,750 x 740
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16		73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16		73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection
	Compressor	-		-		-
	Fan motor	-		-		-
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)		R410A x 10.8 kg (24 lbs)		R410A x 10.8 kg (24 lbs)
	Net weight	kg (lbs): 282 (622)		kg (lbs): 306 (675)		kg (lbs): 345 (761)
Heat exchanger		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube
Optional parts			Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB			

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/6°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FDB.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

R2 Series - High efficiency

PURY-EP YSNW-A(-BS)



Specifications

Model	PURY-EP400YSNW-A (-BS)		PURY-EP450YSNW-A (-BS)		PURY-EP500YSNW-A (-BS)	
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1 kW	45.0	50.0	56.0		
	BTU/h	153,500	170,600	191,100		
	Power input kW	8.77	10.04	11.59		
	Current input A	14.8-14.0-13.5	16.9-16.1-15.5	19.5-18.5-17.9		
	EER kW/kW	5.13	4.98	4.83		
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)		
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)		
Heating capacity (Max)	*2 kW	50.0	56.0	63.0		
	BTU/h	170,600	191,100	215,000		
	Power input kW	9.42	10.76	12.34		
	Current input A	15.9-15.1-14.5	18.1-17.2-16.6	20.8-19.7-19.0		
	COP kW/kW	5.30	5.20	5.10		
	(Nominal) *3 kW	45.0	50.0	56.0		
	BTU/h	153,500	170,600	191,100		
	Power input kW	8.17	9.35	10.78		
	Current input A	13.7-13.1-12.6	15.7-14.9-14.4	18.1-17.2-16.6		
	COP kW/kW	5.50	5.34	5.19		
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)		
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)		
Indoor unit connectable	Total capacity	50~150% of outdoor unit capacity	50~150% of outdoor unit capacity	50~150% of outdoor unit capacity		
	Model / Quantity	P15-P250/1~40	P15-P250/1~45	P15-P250/1~50		
Sound pressure level (measured in anechoic room)	*4 dB <A>	62.0 / 62.0	63.0 / 63.5	63.5 / 64.0		
Sound power level (measured in anechoic room)	*4 dB <A>	79.0 / 81.0	80.5 / 82.5	81.5 / 83.0		
Refrigerant piping diameter	High pressure mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed		
	Low pressure mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed		
Set Model						
Model	PURY-EP200YNW-A (-BS)	PURY-EP200YNW-A (-BS)	PURY-EP200YNW-A (-BS)	PURY-EP250YNW-A (-BS)	PURY-EP250YNW-A (-BS)	PURY-EP250YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m ³ /min	170	170	185	185
		L/s	2,833	2,833	3,083	3,083
		cfm	6,003	6,003	6,532	6,532
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	5.6	7.0	7.0
	Case heater	kW	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)
Net weight	kg (lbs)	234 (516)	234 (516)	234 (516)	234 (516)	234 (516)
Heat exchanger	Salt-resistant cross fin & aluminium tube					
Pipe between unit and distributor	High pressure mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
	Low pressure mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-R100VK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104V-KB					
	Outdoor Twinning kit: CMY-R100VK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104V-KB					
	Outdoor Twinning kit: CMY-R100VK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104V-KB					

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/68°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

R2 Series - High efficiency

PURY-EP YSNW-A(-BS)



Specifications

Model	PURY-EP550YSNW-A (-BS)		PURY-EP600YSNW-A (-BS)		PURY-EP650YSNW-A (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal) *1	kW	63.0	69.0	73.0		
	BTU/h	215,000	235,400	249,100		
Power input	kW	13.66	15.71	16.59		
Current input	A	23.0-21.9-21.1	26.5-25.1-24.2	28.0-26.6-25.6		
EER	kW/kW	4.61	4.39	4.40		
Temp. range of cooling	Indoor	W.B. 15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)		
	Outdoor	D.B. -5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)		
Heating capacity (Max)	kW	69.0	76.5	81.5		
	BTU/h	235,400	261,000	278,100		
Power input	kW	14.61	17.58	18.94		
Current input	A	24.6-23.4-22.5	29.6-28.1-27.1	31.9-30.3-29.2		
COP	kW/kW	4.72	4.35	4.30		
(Nominal) *3	kW	63.0	69.0	73.0		
	BTU/h	215,000	235,400	249,100		
Power input	kW	12.64	14.46	15.89		
Current input	A	21.3-20.2-19.5	24.4-23.1-22.3	26.8-25.4-24.5		
COP	kW/kW	4.98	4.77	4.59		
Temp. range of heating	Indoor	D.B. 15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)		
	Outdoor	W.B. -20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)		
Indoor unit connectable	Total capacity	50-150% of outdoor unit capacity	50-150% of outdoor unit capacity	50-150% of outdoor unit capacity		
	Model / Quantity	P15-P250/2-50	P15-P250/2-50	P15-P250/2-50		
Sound pressure level (measured in anechoic room) *4	dB <A>	64.0 / 68.0	64.0 / 70.0	65.0 / 69.0		
Sound power level (measured in anechoic room) *4	dB <A>	82.5 / 87.5	83.0 / 89.5	83.5 / 88.5		
Refrigerant piping diameter	High pressure	mm (in.) 22.2 (7/8) Braze (1-1/8 (28.58) Braze for the part that exceeds 65 m)	22.2 (7/8) Braze (1-1/8 (28.58) Braze for the part that exceeds 65 m)	28.58 (1-1/8) Braze		
	Low pressure	mm (in.) 28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze		

Set Model

Model	PURY-EP250YNW-A (-BS)	PURY-EP300YNW-A (-BS)	PURY-EP300YNW-A (-BS)	PURY-EP300YNW-A (-BS)	PURY-EP300YNW-A (-BS)	PURY-EP350YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1				
	Air flow rate	m ³ /min 185	240	240	240	250
		L/s 3,083	4,000	4,000	4,000	4,167
		cfm 6,532	8,474	8,474	8,474	8,828
	Control, Driving mechanism	Inverter-control, Direct-driven by motor				
	Motor output	kW 0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.46 x 2
*5	External static press.	0 Pa (0 mmH ₂ O)				
Compressor	Type	Inverter scroll hermetic compressor				
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW 7.0	7.9	7.9	7.9	10.2
	Case heater	kW -	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>					
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection				
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 5.2 kg (12 lbs)				
	Net weight kg (lbs)	234 (516)	236 (521)	236 (521)	236 (521)	279 (616)
Heat exchanger	Salt-resistant cross fin & aluminium tube					
Pipe between unit and distributor	High pressure mm (in.)	19.05 (3/4) Braze				
	Low pressure mm (in.)	22.2 (7/8) Braze				
Optional parts	Outdoor Twinning kit: CMY-R100V рK4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB					
	Outdoor Twinning kit: CMY-R100V рK4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB					

Notes:

*1, *2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FDB), Outdoor: 7 °CDB, 6 °CWB, (45 °FD, B, 43 °FWB.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

R2 Series - High efficiency

PURY-EP YSNW-A(-BS)



Specifications

Model	PURY-EP700YSNW-A (-BS)		PURY-EP750YSNW-A (-BS)		PURY-EP800YSNW-A (-BS)																			
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz																		
Cooling capacity (Nominal)	*1	<table border="1"> <tr> <td>kW</td><td>80.0</td> </tr> <tr> <td>BTU/h</td><td>273,000</td> </tr> </table>	kW	80.0	BTU/h	273,000		<table border="1"> <tr> <td>85.0</td> </tr> <tr> <td>290,000</td> </tr> </table>	85.0	290,000		<table border="1"> <tr> <td>90.0</td> </tr> <tr> <td>307,100</td> </tr> </table>	90.0	307,100										
kW	80.0																							
BTU/h	273,000																							
85.0																								
290,000																								
90.0																								
307,100																								
	Power input	kW	18.18	20.58	23.37																			
	Current input	A	30.6-29.1-28.1	34.7-33.0-31.8	39.4-37.4-36.1																			
	EER	kW/kW	4.40	4.13	3.85																			
Temp. range of cooling	Indoor	W.B.	15.0-24.0 °C (59~75 °F)	15.0-24.0 °C (59~75 °F)	15.0-24.0 °C (59~75 °F)																			
	Outdoor	D.B.	-5.0-52.0 °C (23~126 °F)	-5.0-52.0 °C (23~126 °F)	-5.0-52.0 °C (23~126 °F)																			
Heating capacity (Max)	*2	<table border="1"> <tr> <td>kW</td><td>88.0</td> </tr> <tr> <td>BTU/h</td><td>300,300</td> </tr> </table>	kW	88.0	BTU/h	300,300		<table border="1"> <tr> <td>95.0</td> </tr> <tr> <td>324,100</td> </tr> </table>	95.0	324,100		<table border="1"> <tr> <td>100.0</td> </tr> <tr> <td>341,200</td> </tr> </table>	100.0	341,200										
kW	88.0																							
BTU/h	300,300																							
95.0																								
324,100																								
100.0																								
341,200																								
	Power input	kW	20.65	23.74	26.80																			
	Current input	A	34.8-33.1-31.9	40.0-38.0-36.6	45.2-42.9-41.4																			
	COP	kW/kW	4.26	4.00	3.73																			
(Nominal)	*3	<table border="1"> <tr> <td>kW</td><td>80.0</td> </tr> <tr> <td>BTU/h</td><td>273,000</td> </tr> </table>	kW	80.0	BTU/h	273,000		<table border="1"> <tr> <td>85.0</td> </tr> <tr> <td>290,000</td> </tr> </table>	85.0	290,000		<table border="1"> <tr> <td>90.0</td> </tr> <tr> <td>307,100</td> </tr> </table>	90.0	307,100										
kW	80.0																							
BTU/h	273,000																							
85.0																								
290,000																								
90.0																								
307,100																								
	Power input	kW	18.13	19.58	21.12																			
	Current input	A	30.6-29.0-28.0	33.0-31.4-30.2	35.6-33.8-32.6																			
	COP	kW/kW	4.41	4.34	4.26																			
Temp. range of heating	Indoor	D.B.	15.0-27.0 °C (59~81 °F)	15.0-27.0 °C (59~81 °F)	15.0-27.0 °C (59~81 °F)																			
	Outdoor	W.B.	-20.0-15.5 °C (-4~60 °F)	-20.0-15.5 °C (-4~60 °F)	-20.0-15.5 °C (-4~60 °F)																			
Indoor unit connectable	Total capacity	50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	50~150% of outdoor unit capacity																			
	Model / Quantity	P15-P250/2~50		P15-P250/2~50	P15-P250/2~50																			
Sound pressure level (measured in anechoic room)	*4	dB <A>	65.5 / 67.0	67.0 / 70.5	68.0 / 72.0																			
Sound power level (measured in anechoic room)	*4	dB <A>	84.0 / 86.0	85.5 / 89.5	86.0 / 91.0																			
Refrigerant piping diameter	High pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed																			
	Low pressure	mm (in.)	34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed																			
Set Model																								
Model	PURY-EP3500YNW-A (-BS)	PURY-EP3500YNW-A (-BS)	PURY-EP3500YNW-A (-BS)	PURY-EP4000YNW-A (-BS)	PURY-EP4000YNW-A (-BS)	PURY-EP4000YNW-A (-BS)																		
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2																		
	Air flow rate	<table border="1"> <tr> <td>m³/min</td><td>250</td> </tr> <tr> <td>l/s</td><td>4,167</td> </tr> <tr> <td>cfm</td><td>8,828</td> </tr> </table>	m ³ /min	250	l/s	4,167	cfm	8,828	<table border="1"> <tr> <td>250</td> </tr> <tr> <td>4,167</td> </tr> <tr> <td>8,828</td> </tr> </table>	250	4,167	8,828	<table border="1"> <tr> <td>250</td> </tr> <tr> <td>4,167</td> </tr> <tr> <td>8,828</td> </tr> </table>	250	4,167	8,828	<table border="1"> <tr> <td>315</td> </tr> <tr> <td>5,250</td> </tr> <tr> <td>11,123</td> </tr> </table>	315	5,250	11,123	<table border="1"> <tr> <td>315</td> </tr> <tr> <td>5,250</td> </tr> <tr> <td>11,123</td> </tr> </table>	315	5,250	11,123
m ³ /min	250																							
l/s	4,167																							
cfm	8,828																							
250																								
4,167																								
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4,167																								
8,828																								
315																								
5,250																								
11,123																								
315																								
5,250																								
11,123																								
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor																		
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2																	
*5	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)																	
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor																		
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter																	
	Motor output	kW	10.2	10.2	10.2	10.9	10.9																	
	Case heater	kW	-	-	-	-	-																	
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>																			
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740																		
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16																		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)																		
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection																		
	Compressor	-	-	-	-	-	-																	
	Fan motor	-	-	-	-	-	-																	
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)	R410A x 8.0 kg (18 lbs)																	
Net weight	kg (lbs)	279 (616)	279 (616)	279 (616)	282 (622)	282 (622)	282 (622)																	
Heat exchanger	Salt-resistant cross fin & aluminium tube				Salt-resistant cross fin & aluminium tube																			
Pipe between unit and distributor	High pressure	mm (in.)	19.05 (3/4) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed																	
	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed																	
Optional parts	Outdoor Twinning kit: CMY-R200/BK4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		Outdoor Twinning kit: CMY-R200/BK4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB		Outdoor Twinning kit: CMY-R200/BK4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB																			

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FDB), Outdoor: 7 °CD.B./6 °CW.B, (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT

R2 Series - High efficiency

PURY-EP YSNW-A(-BS)



Specifications

Model	PURY-EP850YSNW-A (-BS)	PURY-EP900YSNW-A (-BS)	PURY-EP950YSNW-A (-BS)																		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz																		
Cooling capacity (Nominal) *1	<table border="1"> <tr><td>kW</td><td>96.0</td></tr> <tr><td>BTU/h</td><td>327,600</td></tr> </table>	kW	96.0	BTU/h	327,600	<table border="1"> <tr><td>kW</td><td>101.0</td></tr> <tr><td>BTU/h</td><td>344,600</td></tr> </table>	kW	101.0	BTU/h	344,600	<table border="1"> <tr><td>kW</td><td>108.0</td></tr> <tr><td>BTU/h</td><td>368,500</td></tr> </table>	kW	108.0	BTU/h	368,500						
kW	96.0																				
BTU/h	327,600																				
kW	101.0																				
BTU/h	344,600																				
kW	108.0																				
BTU/h	368,500																				
Power input	22.91	22.34	24.54																		
Current input	A	38.6-36.7-35.4	37.7-35.8-34.5																		
EER	kW/kW	4.19	4.52																		
Temp. range of cooling	<table border="1"> <tr><td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr><td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr><td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)
Indoor	W.B.	15.0-24.0 °C (59-75 °F)																			
Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)																			
Indoor	W.B.	15.0-24.0 °C (59-75 °F)																			
Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)																			
Indoor	W.B.	15.0-24.0 °C (59-75 °F)																			
Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)																			
Heating capacity (Max)	<table border="1"> <tr><td>kW</td><td>108.0</td></tr> <tr><td>BTU/h</td><td>368,500</td></tr> </table>	kW	108.0	BTU/h	368,500	<table border="1"> <tr><td>kW</td><td>113.0</td></tr> <tr><td>BTU/h</td><td>385,600</td></tr> </table>	kW	113.0	BTU/h	385,600	<table border="1"> <tr><td>kW</td><td>119.5</td></tr> <tr><td>BTU/h</td><td>407,700</td></tr> </table>	kW	119.5	BTU/h	407,700						
kW	108.0																				
BTU/h	368,500																				
kW	113.0																				
BTU/h	385,600																				
kW	119.5																				
BTU/h	407,700																				
Power input	27.47	27.35	28.37																		
Current input	A	46.3-44.0-42.4	46.1-43.8-42.2																		
COP	kW/kW	3.93	4.13																		
(Nominal) *3	<table border="1"> <tr><td>kW</td><td>96.0</td></tr> <tr><td>BTU/h</td><td>327,600</td></tr> </table>	kW	96.0	BTU/h	327,600	<table border="1"> <tr><td>kW</td><td>101.0</td></tr> <tr><td>BTU/h</td><td>344,600</td></tr> </table>	kW	101.0	BTU/h	344,600	<table border="1"> <tr><td>kW</td><td>108.0</td></tr> <tr><td>BTU/h</td><td>368,500</td></tr> </table>	kW	108.0	BTU/h	368,500						
kW	96.0																				
BTU/h	327,600																				
kW	101.0																				
BTU/h	344,600																				
kW	108.0																				
BTU/h	368,500																				
Power input	21.09	20.86	22.87																		
Current input	A	35.6-33.8-32.6	35.2-33.4-32.2																		
COP	kW/kW	4.55	4.84																		
Temp. range of heating	<table border="1"> <tr><td>Indoor</td><td>D.B.</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr><td>Indoor</td><td>D.B.</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr><td>Indoor</td><td>D.B.</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)
Indoor	D.B.	15.0-27.0 °C (59-81 °F)																			
Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)																			
Indoor	D.B.	15.0-27.0 °C (59-81 °F)																			
Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)																			
Indoor	D.B.	15.0-27.0 °C (59-81 °F)																			
Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)																			
Indoor unit connectable	Total capacity	50-150% of outdoor unit capacity	50-150% of outdoor unit capacity																		
	Model / Quantity	P15-P250/2~50	P15-P250/2~50																		
Sound pressure level (measured in anechoic room) *4	dB <A>	68.5 / 72.5	68.5 / 73.0	68.0 / 71.5																	
Sound power level (measured in anechoic room) *4	dB <A>	86.0 / 91.5	86.0 / 92.0	85.5 / 90.5																	
Refrigerant piping diameter	High pressure mm (in.)	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze																	
	Low pressure mm (in.)	41.28 (1-5/8) Braze	41.28 (1-5/8) Braze	41.28 (1-5/8) Braze																	

Set Model

Model	PURY-EP400YNW-A (-BS)	PURY-EP450YNW-A (-BS)	PURY-EP450YNW-A (-BS)	PURY-EP450YNW-A (-BS)	PURY-EP450YNW-A (-BS)	PURY-EP500YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	315	315	315	315	295
	m³/min					
	L/s	5,250	5,250	5,250	5,250	4,917
	cfm	11,123	11,123	11,123	11,123	10,416
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.48 x 2	0.46 x 2	0.46 x 2	0.46 x 2
*5	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	10.9	12.4	12.4	12.4
	Case heater	kW	-	-	-	-
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 8.0 kg (18 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
Net weight	kg (lbs)	282 (622)	306 (675)	306 (675)	306 (675)	345 (761)
Heat exchanger		Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube
Pipe between unit and distributor	High pressure mm (in.)	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze
	Low pressure mm (in.)	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze
Optional parts		Outdoor Twinning kit: CMY-R200V р4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB	Outdoor Twinning kit: CMY-R200V р4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB	Outdoor Twinning kit: CMY-R200V р4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-KA Sub BC controller: CMB-P104V-KB	Outdoor Twinning kit: CMY-R200V р4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-KA Sub BC controller: CMB-P104V-KB	Outdoor Twinning kit: CMY-R200V р4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-KA Sub BC controller: CMB-P104V-KB

Notes:

*1, *2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/6°C WB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB, (68 °FDB), Outdoor: 7 °CDB, 6 °CWB, (45 °FD, B./43 °FWB.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT R2 Series - High efficiency

PURY-EP YSNW-A(-BS)



Specifications

Model		PURY-EP1000YSNW-A (-BS)		PURY-EP1050YSNW-A (-BS)		PURY-EP1100YSNW-A (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1 kW	113.0		118.0		124.0	
	BTU/h	385,600		402,600		423,100	
	Power input kW	26.40		29.13		32.46	
	Current input A	44.5-42.3-40.8		49.1-46.7-45.0		54.7-52.0-50.1	
Temp. range of cooling	EER	KW/kW	4.28	4.05		3.82	
	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)		15.0~24.0 °C (59~75 °F)	
	Outdoor	D.B.	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)		-5.0~52.0 °C (23~126 °F)	
Heating capacity (Max)	*2 kW	127.0		132.0		140.0	
	BTU/h	433,300		450,400		477,700	
	Power input kW	29.52		32.58		36.83	
	Current input A	49.8-47.3-45.6		55.0-52.2-50.3		62.1-59.0-56.9	
	COP kW/kW	4.30		4.05		3.80	
(Nominal)	*3 kW	113.0		118.0		124.0	
	BTU/h	385,600		402,600		423,100	
	Power input kW	24.50		26.69		29.24	
	Current input A	41.3-39.2-37.8		45.0-42.8-41.2		49.3-46.8-45.1	
	COP kW/kW	4.61		4.42		4.24	
Temp. range of heating	Indoor	D.B.	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)		15.0~27.0 °C (59~81 °F)	
	Outdoor	W.B.	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)		-20.0~15.5 °C (-4~60 °F)	
Indoor unit connectable	Total capacity	50~150% of outdoor unit capacity		50~150% of outdoor unit capacity		50~150% of outdoor unit capacity	
	Model / Quantity	P15~P250/2~50		P15~P250/3~50		P15~P250/3~50	
Sound pressure level (measured in anechoic room) *4		dB <A>		66.5 / 67.5		68.0 / 73.0	
Sound power level (measured in anechoic room) *4		dB <A>		85.0 / 87.0		86.0 / 92.0	
Refrigerant piping	High pressure diameter	mm (in.)	28.58 (1-1/8) Braze	34.93 (1-3/8) Braze		34.93 (1-3/8) Braze	
	Low pressure diameter	mm (in.)	41.28 (1-5/8) Braze	41.28 (1-5/8) Braze		41.28 (1-5/8) Braze	

Set Model

Model		PURY-EP500YNW-A (-BS)	PURY-EP500YNW-A (-BS)	PURY-EP500YNW-A (-BS)	PURY-EP550YNW-A (-BS)	PURY-EP550YNW-A (-BS)	PURY-EP550YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m ³ /min	295	295	295	410	410
		L/s	4,917	4,917	4,917	6,833	6,833
		cfm	10,416	10,416	10,416	14,477	14,477
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
*5 External static press.	Motor output	kW	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2	0.92 x 2
	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	13.0	13.0	13.0	14.3	14.3
Compressor	Case heater	kW	-	-	-	-	-
	External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,750 x 740	1,858 (1,798 without legs) x 1,750 x 740	1,858 (1,798 without legs) x 1,750 x 740	1,858 (1,798 without legs) x 1,750 x 740	1,858 (1,798 without legs) x 1,750 x 740	1,858 (1,798 without legs) x 1,750 x 740
	in.	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-	-
Refrigerant	Fan motor	-	-	-	-	-	-
	Type x original charge	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
	Net weight	kg (lbs)	345 (761)	345 (761)	345 (761)	345 (761)	345 (761)
Heat exchanger		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	High pressure	mm (in.)	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze
	Low pressure	mm (in.)	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze	28.58 (1-1/8) Braze
Optional parts		Outdoor Twinning kit: CMY-R200V BK4		Outdoor Twinning kit: CMY-R200V BK4		Outdoor Twinning kit: CMY-R200V BK4	
Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1		Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1		Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1		Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1	
Main BC controller: CMB-P1016V-KA		Main BC controller: CMB-P1016V-KA		Main BC controller: CMB-P1016V-KA		Main BC controller: CMB-P1016V-KA	
Sub BC controller: CMB-P104V-KB		Sub BC controller: CMB-P104V-KB		Sub BC controller: CMB-P104V-KB		Sub BC controller: CMB-P104V-KB	

Notes:

*1.2 Nominal conditions (subject to JIS B8615-2)

2 Nominal conditions (subject to SI 35/BSI 152)				
	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to IIS B8615-2)

Indoor: 20 °CD B / (68 °FD B) , Outdoor: 7 °CD B / 6 °CW B / (45 °FD B / 43 °FW B)

Pipe length: 7.5 m (24-9/16 ft) | Level difference: 0 m (0 ft)

Pipe length: 7.5 m (25 ft)
Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O)

5 External static pressure option is available (30Pa, 60Pa, 80Pa / 3.0mH₂O, 6.0mH₂O, 8.0mH₂O). Consult your dealer about the specification when setting External static pressure option.

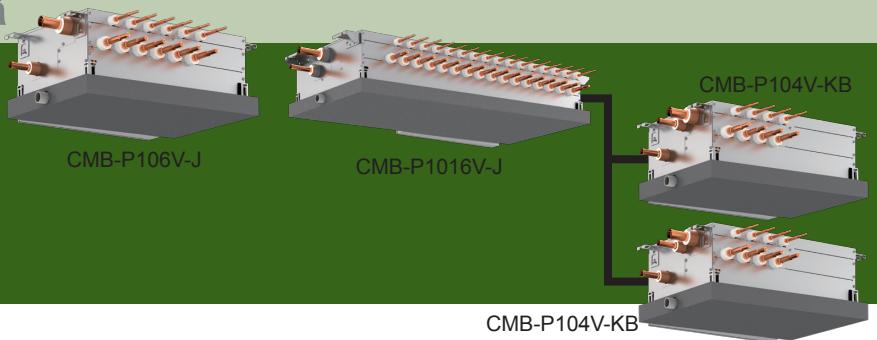
*Due to continuing improvement, above specification may be changed.

- Due to continuing imp...
- 22HP (P550) can be...

*22HP (P550) can be used only in combination with others.

BC CONTROLLER

CMB-P-V-J
CMB-P-V-JA
CMB-P-V-KA
CMB-P-V-KB



Specifications

Model	CMB-P104V-J		CMB-P106V-J		CMB-P108V-J		CMB-P1012V-J		CMB-P1016V-J													
Number of branch	4		6		8		12		16													
Power source																						
1-phase 220-230-240 V																						
Power input	kW	50Hz	Cooling	0.067/0.076/0.085	0.097/0.110/0.123	0.127/0.144/0.161	0.186/0.211/0.236	0.246/0.279/0.312	0.119/0.135/0.151	0.198/0.222/0.246												
		Heating	0.030/0.034/0.038	0.045/0.051/0.057	0.060/0.068/0.076	0.090/0.102/0.114	0.120/0.135/0.144	0.150/0.168/0.186	0.198/0.222/0.246	0.096/0.108/0.119												
		60Hz	Cooling	0.054/0.061/0.067	0.078/0.088/0.097	0.102/0.115/0.127	0.150/0.168/0.186	0.198/0.222/0.246	0.121/0.135/0.151	0.198/0.222/0.246												
		Heating	0.024/0.027/0.030	0.036/0.041/0.045	0.048/0.054/0.060	0.072/0.081/0.090	0.102/0.115/0.127	0.150/0.168/0.186	0.198/0.222/0.246	0.096/0.108/0.119												
Current	A	50Hz	Cooling	0.31/0.34/0.36	0.45/0.48/0.52	0.58/0.63/0.68	0.85/0.92/0.99	1.12/1.22/1.30	1.12/1.22/1.30	1.12/1.22/1.30												
		Heating	0.14/0.15/0.16	0.21/0.23/0.24	0.28/0.30/0.32	0.42/0.44/0.48	0.55/0.59/0.63	0.55/0.59/0.63	0.55/0.59/0.63	0.55/0.59/0.63												
		60Hz	Cooling	0.25/0.27/0.28	0.36/0.39/0.41	0.47/0.50/0.53	0.69/0.74/0.78	0.90/0.97/1.03	0.90/0.97/1.03	0.90/0.97/1.03												
		Heating	0.11/0.12/0.13	0.17/0.18/0.19	0.22/0.24/0.25	0.33/0.36/0.38	0.44/0.47/0.50	0.44/0.47/0.50	0.44/0.47/0.50	0.44/0.47/0.50												
External finish																						
Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)																						
Indoor unit capacity connectable to 1 branch	*12		Model P80 or smaller		(Use optional joint pipe combing 2 branches when the total unit capacity exceeds P81.)																	
Connectable outdoor/heat source unit capacity	P200 to P350																					
Height	mm	246																				
Width	mm	596		911		1,135																
Depth	mm	495		639																		
Refrigerant piping diameter	To outdoor/heat source unit	P200		P250/P300		P350 *13																
	High press. pipe	15.88 (5/8) Brazed		19.05 (3/4) Brazed		19.05 (3/4) Brazed or 22.2 (7/8) Brazed																
	Low press. pipe	19.05 (3/4) Brazed		22.2 (7/8) Brazed		28.58 (1-1/8) Brazed																
	To indoor unit	Liquid pipe		Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed																		
		Gas pipe		Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed		(19.05 (3/4), 22.2(7/8) with optional joint pipe used.)																
Drain pipe	mm (in.)	O.D. 32 (1-1/4)																				
Net weight	kg (lbs)	23 (51)	27 (60)	31 (69)	46 (102)	56 (124)																
Sound power level (measured in anechoic room)	dB <A>	Rated operation	56(When P200 Outdoor/Heat source unit is connected),57(P250),59(P350)		71																	
Sound pressure level (measured in anechoic room)	dB <A>	Rated operation	38(When P200 Outdoor/Heat source unit is connected),39(P250),40(P350)		53																	
Accessories	Drain Connection pipe, Washer, Tie band																					
Model	CMB-P108V-JA		CMB-P1012V-JA		CMB-P1016V-JA																	
Number of branch	8		12		16																	
Power source																						
1-phase 220-230-240 V																						
Power input	kW	50Hz	Cooling	0.127/0.144/0.161	0.186/0.211/0.236	0.246/0.279/0.312	0.119/0.135/0.151	0.198/0.222/0.246	0.096/0.108/0.119	0.121/0.135/0.151	0.198/0.222/0.246											
		Heating	0.060/0.068/0.076	0.090/0.102/0.114	0.120/0.135/0.144	0.186/0.211/0.236	0.246/0.279/0.312	0.119/0.135/0.151	0.198/0.222/0.246	0.096/0.108/0.119	0.121/0.135/0.151											
		60Hz	Cooling	0.102/0.115/0.127	0.150/0.168/0.186	0.222/0.244/0.264	0.320/0.348/0.376	0.420/0.448/0.476	0.520/0.552/0.580	0.620/0.652/0.680	0.720/0.752/0.780											
		Heating	0.048/0.054/0.060	0.072/0.081/0.090	0.102/0.115/0.127	0.150/0.168/0.186	0.222/0.244/0.264	0.320/0.348/0.376	0.420/0.448/0.476	0.520/0.552/0.580	0.620/0.652/0.680											
Current	A	50Hz	Cooling	0.58/0.63/0.68	0.85/0.92/0.99	1.12/1.22/1.30	1.42/1.52/1.60	1.72/1.82/1.90	2.02/2.12/2.20	2.32/2.42/2.50	2.62/2.72/2.80											
		Heating	0.28/0.30/0.32	0.42/0.44/0.48	0.55/0.59/0.63	0.78/0.82/0.86	0.92/0.96/0.100	1.08/1.12/1.16	1.22/1.26/1.30	1.38/1.42/1.46	1.52/1.56/1.60											
		60Hz	Cooling	0.47/0.50/0.53	0.69/0.74/0.78	0.90/0.97/1.03	1.12/1.18/1.24	1.32/1.38/1.44	1.52/1.58/1.64	1.72/1.78/1.84	1.92/1.98/2.04											
		Heating	0.22/0.24/0.25	0.33/0.36/0.38	0.44/0.47/0.50	0.66/0.70/0.74	0.86/0.90/0.94	1.06/1.10/1.14	1.26/1.30/1.34	1.46/1.50/1.54	1.66/1.70/1.74											
External finish	Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)																					
Indoor unit capacity connectable to 1 branch	*12		Model P80 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P81.)																			
Connectable outdoor/heat source unit capacity	P200 to P900																					
Height	mm	246																				
Width	mm	911		1,135																		
Depth	mm	639																				
Refrigerant piping diameter	To outdoor/heat source unit	P200		P250/P300		P350 *13		P400 to P500		P550 *13		P600 *13										
	High press. pipe	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed										
	Low press. pipe	19.05 (3/4) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed										
	To indoor unit	Liquid pipe		Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed																		
		Gas pipe		Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed		(19.05 (3/4), 22.2(7/8) with optional joint pipe used.)																
	To other BC controller	Total down-stream Indoor unit capacity																				
		High press. pipe	15.88 (5/8) Brazed	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed									
		Low press. pipe	19.05 (3/4) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed		34.93 (1-3/8) Brazed									
		Liquid pipe	9.52 (3/8) Brazed	12.7 (1/2) Brazed		15.88 (5/8) Brazed		15.88 (5/8) Brazed		19.05 (3/4) Brazed		41.28 (1-5/8) Brazed										
Drain pipe	mm (in.)	O.D. 32 (1-1/4)																				
Net weight	kg (lbs)	45 (100)		55 (122)		63 (139)																
Sound power level (measured in anechoic room)	dB <A>	Rated operation	62(When P250 Outdoor/Heat source unit is connected),65(P450),68(P700),69(P900)		74																	
Sound pressure level (measured in anechoic room)	dB <A>	Rated operation	44(When P250 Outdoor/Heat source unit is connected),47(P450),50(P700),51(P900)		56																	
Accessories	Drain Connection pipe, Washer, Tie band																					

★ Combination chart of BC Controller for R2 series (YNW)

	P200-P350	P400-P900	P950-P1100
CMB-P VJ	✓	N/A	N/A
CMB-P V-JA	✓	✓	N/A
CMB-P V-KA	✓	✓</td	

Specifications

Model			CMB-P1016V-KA										
Number of branch			16										
Power source			1-phase 220-230-240 V										
Power input	kW	50Hz	Cooling	0.246/0.279/0.312									
		Heating		0.119/0.135/0.151									
		60Hz	Cooling	0.198/0.222/0.246									
		Heating		0.096/0.108/0.119									
Current	A	50Hz	Cooling	1.12/1.22/1.30									
		Heating		0.55/0.59/0.63									
		60Hz	Cooling	0.90/0.97/1.03									
		Heating		0.44/0.47/0.50									
External finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)										
Indoor unit capacity connectable to 1 branch *12			Model P80 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P81.)										
The maximum number of connectable Sub BC controllers			-										
The maximum connectable capacity of indoor units			-										
Connectable outdoor/heat source unit capacity			P200 to P1100										
Connectable Main BC controller			-										
Height	mm		246										
Width	mm		1,135										
Depth	mm		639										
Refrigerant piping diameter	To outdoor/heat source unit			Connectable unit capacity									
	P200	P250/P300	P350 *13	P400 to P500	P550 *13	P600 *13	P650	P700 to P800	P850 to P1000	P1050 to P1100			
	High press. pipe	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed or 22.2 (7/8) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed				
	Low press. pipe	19.05 (3/4) Brazed	22.2 (7/8) Brazed		28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed or 34.93 (1-3/8) Brazed	28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	41.28(1-5/8) Brazed				
To indoor unit	Liquid pipe			Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed									
	Gas pipe	Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)											
	Total down-stream Indoor unit capacity												
	High press. pipe	15.88 (5/8) Brazed	19.05 (3/4) Brazed	22.2 (7/8) Brazed		28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	41.28(1-5/8) Brazed					
To other BC controller	High press. pipe			to P200		P201 to P300	P301 to P350	P351 to P400	P401 to P600	P601 to P650	P651 to P800	P801 to P1000	P1001 or above
	Low press. pipe	19.05 (3/4) Brazed	22.2 (7/8) Brazed		28.58 (1-1/8) Brazed		34.93 (1-3/8) Brazed	41.28(1-5/8) Brazed					
	Liquid pipe	9.52 (3/8) Brazed		12.7 (1/2) Brazed		15.88 (5/8) Brazed		19.05 (3/4) Brazed					
Drain pipe	mm (in.)		O.D. 32 (1-1/4)										
Net weight	kg (lbs)		65 (144)										
Sound power level (measured in anechoic room)	dB <A>	Rated operation	56(When P300 Outdoor/Heat source unit is connected),61(P550),63(P800),66(P1100)										
Sound pressure level (measured in anechoic room)	dB <A>	Rated operation	38(When P300 Outdoor/Heat source unit is connected),43(P550),45(P800),48(P1100)										
Defrost			55										
Accessories			Drain Connection pipe, Washer, Tie band										
Model			CMB-P104V-KB *14*15										
Number of branch			4										
Power source			1-phase 220-230-240 V										
Power input	kW	50Hz	Cooling	0.060/0.068/0.076									
		Heating		0.030/0.034/0.038									
		60Hz	Cooling	0.048/0.054/0.060									
		Heating		0.024/0.027/0.030									
Current	A	50Hz	Cooling	0.28/0.30/0.32									
		Heating		0.14/0.15/0.16									
		60Hz	Cooling	0.22/0.24/0.25									
		Heating		0.11/0.12/0.13									
External finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)										
The maximum number of connectable Sub BC controllers			11										
The maximum connectable capacity of indoor units			P350 for each										
Connectable Main BC controller			CMB-P108/1012/1016V-JA, CMB-P1016V-KA										
Height	mm		246										
Width	mm		596										
Depth	mm		495										
Refrigerant piping diameter	To outdoor/heat source unit			-									
	High press. pipe	-											
	Low press. pipe	-											
		Indoor unit Model 50 or smaller 6.35 (1/4) Brazed bigger than 50 9.52 (3/8) Brazed											
To indoor unit	Liquid pipe			Indoor unit Model 50 or smaller 12.7 (1/2) Brazed bigger than 50 15.88 (5/8) Brazed (19.05 (3/4) with optional joint pipe used.)									
	Gas pipe	-											
	Total down-stream Indoor unit capacity												
	High press. pipe	15.88 (5/8) Brazed	19.05 (3/4) Brazed	22.2 (7/8) Brazed		28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	41.28(1-5/8) Brazed					
To other BC controller	High press. pipe			19.05 (3/4) Brazed	22.2 (7/8) Brazed		28.58 (1-1/8) Brazed		34.93 (1-3/8) Brazed	41.28(1-5/8) Brazed			
	Low press. pipe	9.52 (3/8) Brazed		12.7 (1/2) Brazed		15.88 (5/8) Brazed		19.05 (3/4) Brazed					
Drain pipe	mm (in.)		O.D. 32 (1-1/4)										
Net weight	kg (lbs)		21 (47)										
Sound power level (measured in anechoic room)	dB <A>	Rated operation	56(When P200 Outdoor/Heat source unit is connected),57(P250),59(P350)										
Sound pressure level (measured in anechoic room)	dB <A>	Rated operation	38(When P200 Outdoor/Heat source unit is connected),39(P250),40(P350)										
Defrost			53										
Accessories			Drain Connection pipe, Washer, Tie band										

Notes:

1. Installation/foundation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
2. The equipment is for R410A refrigerant.
3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.
(For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.)
4. Sound pressure/power level differs depending on the connected outdoor/heat source unit capacity or operation condition.
The sound pressure/power level at the rated operation is the value of the cooling mode.
5. The sound pressure/power level values were obtained in an anechoic room. Actual sound pressure level is usually greater than that measured in anechoic room due to ambient noise and deflection sound.
6. The sound pressure level values were obtained at the location below 1.5m from the unit.
7. The solenoid valve switching sound is 56 dB regardless of the unit model.
8. Indoor units P100, P125, P140 can be connected to 1 branch. (In this case, cooling capacity decreases a little.)
9. Refrigerant piping diameter for connection of plural indoor units with 1 branch shall be referred to the Installation Manual.
10. This unit is not designed for outside installations.
11. When blazing the pipes, be sure to blaze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.
- *12 Indoor unit capacity connectable to 1 branch is changed depending on the indoor unit type and connection method. Please refer to the Installation Manual for more information.
- *13 For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.
- *14 When blazing the pipes, be sure to blaze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.
- *15 Can't use singleness. (MAIN BC CONTROLLER is necessary)

OUTDOOR UNIT Y Series

PUHY-P YNW-A(-BS)



Specifications

Model	PUHY-P200YNW-A (-BS)	PUHY-P250YNW-A (-BS)	PUHY-P300YNW-A (-BS)	PUHY-P350YNW-A (-BS)
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal) *1	kW BTU/h	22.4 76,400	28.0 95,500	33.5 114,300
Power input Current input EER	kW A kW/kW	4.24 7.1-6.7-6.5 5.28	5.78 9.7-9.2-8.9 4.84	7.66 12.9-12.2-11.8 4.37
Temp. range of cooling	Indoor Outdoor	W.B. D.B.	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)
Heating capacity (Max)	*2	kW BTU/h	25.0 85,300	31.5 107,500
Power input Current input COP	kW A kW/kW	4.58 7.7-7.3-7.0 5.45	6.04 10.1-9.6-9.3 5.21	7.86 13.2-12.6-12.1 4.77
(Nominal) *3	kW BTU/h	22.4 76,400	28.0 95,500	33.5 114,300
Power input Current input COP	kW A kW/kW	3.95 6.6-6.3-6.1 5.67	5.20 8.7-8.3-8.0 5.38	6.70 11.3-10.7-10.3 5.00
Temp. range of heating	Indoor Outdoor	D.B. W.B.	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)
Indoor unit connectable	Total capacity Model / Quantity	50~130% of outdoor unit capacity P15~P250/1~17	50~130% of outdoor unit capacity P15~P250/1~21	50~130% of outdoor unit capacity P15~P250/1~26
Sound pressure level (measured in anechoic room) *4	dB <A>	58.0 / 59.0	60.0 / 61.0	61.0 / 64.5
Sound power level (measured in anechoic room) *4	dB <A>	75.0 / 78.0	78.0 / 80.0	80.0 / 83.5
Refrigerant piping diameter	Liquid pipe Gas pipe	mm (in.) mm (in.)	9.52 (3/8) Brazed 22.2 (7/8) Brazed	9.52 (3/8) Brazed (12.7 (1/2) Brazed, farthest length >= 90 m) 22.2 (7/8) Brazed
FAN	Type x Quantity Air flow rate Control, Driving mechanism	Propeller fan x 1 m³/min L/s cfm	Propeller fan x 1 170 2,833 6,003	Propeller fan x 1 240 3,083 6,532
Compressor *5	Motor output External static press.	kW 0 Pa (0 mmH ₂ O)	0.92 x 1 0 Pa (0 mmH ₂ O)	0.92 x 1 0 Pa (0 mmH ₂ O)
External finish	Type Starting method Motor output Case heater	Inverter scroll hermetic compressor Inverter 5.6 kW	Inverter scroll hermetic compressor Inverter 7.0	Inverter scroll hermetic compressor Inverter 7.9
External dimension HxWxD	mm in.	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740
Protection devices	High pressure protection Inverter circuit (COMP/FAN) Compressor Fan motor	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection - -	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection - -	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection - -
Refrigerant	Type x original charge	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)
Net weight	kg (lbs)	225 (497)	225 (497)	228 (503)
Heat exchanger		Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Optional parts		Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YNW-A(-BS)



Specifications

Model	PUHY-P400YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P500YNW-A (-BS)																		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz																		
Cooling capacity (Nominal) *1	<table border="1"> <tr><td>kW</td><td>45.0</td></tr> <tr><td>BTU/h</td><td>153,500</td></tr> </table>	kW	45.0	BTU/h	153,500	<table border="1"> <tr><td>kW</td><td>50.0</td></tr> <tr><td>BTU/h</td><td>170,600</td></tr> </table>	kW	50.0	BTU/h	170,600	<table border="1"> <tr><td>kW</td><td>56.0</td></tr> <tr><td>BTU/h</td><td>191,100</td></tr> </table>	kW	56.0	BTU/h	191,100						
kW	45.0																				
BTU/h	153,500																				
kW	50.0																				
BTU/h	170,600																				
kW	56.0																				
BTU/h	191,100																				
Power input	11.47	12.22	12.52																		
Current input	A 19.3-18.3-17.7	20.6-19.5-18.8	21.1-20.0-19.3																		
EER	3.92	4.09	4.47																		
Temp. range of cooling	<table border="1"> <tr><td>Indoor</td><td>W.B. 15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>D.B. -5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B. 15.0-24.0 °C (59-75 °F)	Outdoor	D.B. -5.0-52.0 °C (23-126 °F)	<table border="1"> <tr><td>Indoor</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	15.0-24.0 °C (59-75 °F)	Outdoor	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr><td>Indoor</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr><td>Outdoor</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	15.0-24.0 °C (59-75 °F)	Outdoor	-5.0-52.0 °C (23-126 °F)						
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kW	50.0																				
BTU/h	170,600																				
kW	56.0																				
BTU/h	191,100																				
kW	63.0																				
BTU/h	215,000																				
Power input	13.40	13.42	14.61																		
Current input	A 22.6-21.4-20.7	22.6-21.5-20.7	24.6-23.4-22.5																		
COP	3.73	4.17	4.31																		
(Nominal) *3	<table border="1"> <tr><td>kW</td><td>45.0</td></tr> <tr><td>BTU/h</td><td>153,500</td></tr> </table>	kW	45.0	BTU/h	153,500	<table border="1"> <tr><td>kW</td><td>50.0</td></tr> <tr><td>BTU/h</td><td>170,600</td></tr> </table>	kW	50.0	BTU/h	170,600	<table border="1"> <tr><td>kW</td><td>56.0</td></tr> <tr><td>BTU/h</td><td>191,100</td></tr> </table>	kW	56.0	BTU/h	191,100						
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BTU/h	153,500																				
kW	50.0																				
BTU/h	170,600																				
kW	56.0																				
BTU/h	191,100																				
Power input	10.15	10.89	11.53																		
Current input	A 17.1-16.2-15.6	18.3-17.4-16.8	19.4-18.4-17.8																		
COP	4.43	4.59	4.85																		
Temp. range of heating	<table border="1"> <tr><td>Indoor</td><td>D.B. 15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>W.B. -20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	D.B. 15.0-27.0 °C (59-81 °F)	Outdoor	W.B. -20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr><td>Indoor</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	15.0-27.0 °C (59-81 °F)	Outdoor	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr><td>Indoor</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr><td>Outdoor</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	15.0-27.0 °C (59-81 °F)	Outdoor	-20.0-15.5 °C (-4-60 °F)						
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Indoor	15.0-27.0 °C (59-81 °F)																				
Outdoor	-20.0-15.5 °C (-4-60 °F)																				
Indoor unit connectable	Total capacity Model / Quantity	50-130% of outdoor unit capacity P15-P250/1-34	50-130% of outdoor unit capacity P15-P250/1-39	50-130% of outdoor unit capacity P15-P250/1-43																	
Sound pressure level (measured in anechoic room) *4	dB <A> 65.0 / 67.0	dB <A> 65.5 / 69.5	dB <A> 63.5 / 66.5																		
Sound power level (measured in anechoic room) *4	dB <A> 82.5 / 86.0	dB <A> 83.5 / 88.5	dB <A> 82.0 / 85.5																		
Refrigerant piping diameter	<table border="1"> <tr><td>Liquid pipe</td><td>mm (in.) 12.7 (1/2) Brazed</td></tr> <tr><td>Gas pipe</td><td>mm (in.) 28.58 (1-1/8) Brazed</td></tr> </table>	Liquid pipe	mm (in.) 12.7 (1/2) Brazed	Gas pipe	mm (in.) 28.58 (1-1/8) Brazed	<table border="1"> <tr><td>Liquid pipe</td><td>15.88 (5/8) Brazed</td></tr> <tr><td>Gas pipe</td><td>28.58 (1-1/8) Brazed</td></tr> </table>	Liquid pipe	15.88 (5/8) Brazed	Gas pipe	28.58 (1-1/8) Brazed	<table border="1"> <tr><td>Liquid pipe</td><td>15.88 (5/8) Brazed</td></tr> <tr><td>Gas pipe</td><td>28.58 (1-1/8) Brazed</td></tr> </table>	Liquid pipe	15.88 (5/8) Brazed	Gas pipe	28.58 (1-1/8) Brazed						
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Gas pipe	28.58 (1-1/8) Brazed																				
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2																		
Air flow rate	<table border="1"> <tr><td>m³/min</td><td>300</td></tr> <tr><td>L/s</td><td>5,000</td></tr> <tr><td>cfm</td><td>10,593</td></tr> </table>	m ³ /min	300	L/s	5,000	cfm	10,593	<table border="1"> <tr><td>m³/min</td><td>305</td></tr> <tr><td>L/s</td><td>5,083</td></tr> <tr><td>cfm</td><td>10,770</td></tr> </table>	m ³ /min	305	L/s	5,083	cfm	10,770	<table border="1"> <tr><td>m³/min</td><td>365</td></tr> <tr><td>L/s</td><td>6,083</td></tr> <tr><td>cfm</td><td>12,888</td></tr> </table>	m ³ /min	365	L/s	6,083	cfm	12,888
m ³ /min	300																				
L/s	5,000																				
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L/s	5,083																				
cfm	10,770																				
m ³ /min	365																				
L/s	6,083																				
cfm	12,888																				
Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor																		
Motor output	kW 0.46 x 2	kW 0.46 x 2	kW 0.92 x 2																		
*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)																		
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor																		
Starting method	Inverter	Inverter	Inverter																		
Motor output	kW 10.9	kW 12.4	kW 13.3																		
Case heater	kW	-	-																		
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>																		
External dimension HxWxD	mm 1,858 (1,798 without legs) x 1,240 x 740	mm 1,858 (1,798 without legs) x 1,240 x 740	mm 1,858 (1,798 without legs) x 1,750 x 740																		
	in. 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	in. 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	in. 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16																		
Protection devices	High pressure protection Inverter circuit (COMP/FAN) Compressor Fan motor	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection - -	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection - -																		
Refrigerant	Type x original charge	R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)																		
Net weight	kg (lbs) 278 (613)	kg (lbs) 294 (649)	kg (lbs) 337 (743)																		
Heat exchanger	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube																		
Optional parts	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G																		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/6°F WB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YSNW-A(-BS)



Specifications

Model	PUHY-P400YSNW-A (-BS)		PUHY-P450YSNW-A (-BS)		PUHY-P500YSNW-A (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW BTU/h	45.0 153,500	50.0 170,600	56.0 191,100	
	Power input Current input EER	kW A kW/kW	8.77 14.8-14.0-13.5 5.13	10.22 17.2-16.3-15.7 4.89	11.91 20.1-19.1-18.4 4.70	
Temp. range of cooling	Indoor Outdoor	W.B. D.B.	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2	kW BTU/h	50.0 170,600	56.0 191,100	63.0 215,000	
	Power input Current input COP	kW A kW/kW	9.45 15.9-15.1-14.6 5.29	10.85 18.3-17.4-16.7 5.16	12.45 21.0-19.9-19.2 5.06	
	(Nominal)	*3	kW BTU/h	45.0 153,500	50.0 170,600	56.0 191,100
	Power input Current input COP	kW A kW/kW	8.18 13.8-13.1-12.6 5.50	9.34 15.7-14.9-14.4 5.35	10.72 18.0-17.1-16.5 5.22	
Temp. range of heating	Indoor Outdoor	D.B. W.B.	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity Model / Quantity	50-130% of outdoor unit capacity		50-130% of outdoor unit capacity		50-130% of outdoor unit capacity
Sound pressure level (measured in anechoic room)	*4	dB <A>	61.0 / 62.0	62.0 / 63.0	63.0 / 64.0	
Sound power level (measured in anechoic room)	*4	dB <A>	78.0 / 81.0	80.0 / 82.0	81.0 / 83.0	
Refrigerant piping diameter	Liquid pipe Gas pipe	mm (in.)	12.7 (1/2) Braze	15.88(5/8) Braze	15.88(5/8) Braze	
		mm (in.)	28.58(1-1/8) Braze	28.58(1-1/8) Braze	28.58(1-1/8) Braze	
Set Model						
Model	PUHY-P200YNW-A (-BS)	PUHY-P200YNW-A (-BS)	PUHY-P200YNW-A (-BS)	PUHY-P250YNW-A (-BS)	PUHY-P250YNW-A (-BS)	PUHY-P250YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m ³ /min L/s cfm	170 2,833 6,003	170 2,833 6,003	185 3,083 6,532	185 3,083 6,532
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	5.6	7.0	7.0
	Case heater	kW	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)
Net weight	kg (lbs)	225 (497)	225 (497)	225 (497)	225 (497)	225 (497)
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Pipe between unit and distributor	Liquid pipe Gas pipe	mm (in.)	9.52(3/8) Braze 22.2(7/8) Braze	9.52(3/8) Braze 22.2(7/8) Braze	9.52(3/8) Braze 22.2(7/8) Braze	9.52(3/8) Braze 22.2(7/8) Braze
		mm (in.)	9.52(3/8) Braze 22.2(7/8) Braze	9.52(3/8) Braze 22.2(7/8) Braze	9.52(3/8) Braze 22.2(7/8) Braze	9.52(3/8) Braze 22.2(7/8) Braze
Optional parts	Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YSNW-A(-BS)



Specifications

Model	PUHY-P550YSNW-A (-BS)		PUHY-P600YSNW-A (-BS)		PUHY-P650YSNW-A (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW: 63.0 BTU/h: 215,000		kW: 69.0 BTU/h: 235,400		kW: 73.0 BTU/h: 249,100
	Power input	kW: 14.15		kW: 16.26		kW: 17.59
	Current input	A: 23.8-22.6-21.8		A: 27.4-26.0-25.1		A: 29.6-28.2-27.1
	EER	kW/kW: 4.45		kW/kW: 4.24		kW/kW: 4.15
Temp. range of cooling	Indoor	W.B.: 15.0-24.0 °C (59~75 °F)		15.0-24.0 °C (59~75 °F)		15.0-24.0 °C (59~75 °F)
	Outdoor	D.B.: -5.0-52.0 °C (23~126 °F)		-5.0-52.0 °C (23~126 °F)		-5.0-52.0 °C (23~126 °F)
Heating capacity (Max)	*2	kW: 69.0 BTU/h: 235,400		kW: 76.5 BTU/h: 261,000		kW: 81.5 BTU/h: 278,100
	Power input	kW: 14.26		kW: 16.52		kW: 19.53
	Current input	A: 24.0-22.8-22.0		A: 27.8-26.4-25.5		A: 32.9-31.3-30.1
	COP	kW/kW: 4.83		kW/kW: 4.63		kW/kW: 4.17
(Nominal)	*3	kW: 63.0 BTU/h: 215,000		kW: 69.0 BTU/h: 235,400		kW: 73.0 BTU/h: 249,100
	Power input	kW: 12.54		kW: 14.21		kW: 15.66
	Current input	A: 21.1-20.1-19.3		A: 23.9-22.7-21.9		A: 26.4-25.1-24.2
	COP	kW/kW: 5.02		kW/kW: 4.85		kW/kW: 4.66
Temp. range of heating	Indoor	D.B.: 15.0-27.0 °C (59~81 °F)		15.0-27.0 °C (59~81 °F)		15.0-27.0 °C (59~81 °F)
	Outdoor	W.B.: -20.0-15.5 °C (-4~60 °F)		-20.0-15.5 °C (-4~60 °F)		-20.0-15.5 °C (-4~60 °F)
Indoor unit connectable	Total capacity	50-130% of outdoor unit capacity		50-130% of outdoor unit capacity		50-130% of outdoor unit capacity
	Model / Quantity	P15-P250/2-47		P15-P250/2-50		P15-P250/2-50
Sound pressure level (measured in anechoic room)	*4	dB <A>: 63.5 / 66.0		dB <A>: 64.0 / 67.5		dB <A>: 66.5 / 68.0
Sound power level (measured in anechoic room)	*4	dB <A>: 82.0 / 85.0		dB <A>: 83.0 / 86.5		dB <A>: 84.0 / 87.0
Refrigerant piping diameter	Liquid pipe	mm (in.): 15.88(5/8) Braze		mm (in.): 15.88(5/8) Braze		mm (in.): 15.88(5/8) Braze
	Gas pipe	mm (in.): 28.58(1-1/8) Braze		mm (in.): 28.58(1-1/8) Braze		mm (in.): 28.58(1-1/8) Braze
Set Model						
Model	PUHY-P250YNW-A (-BS)	PUHY-P300YNW-A (-BS)	PUHY-P300YNW-A (-BS)	PUHY-P300YNW-A (-BS)	PUHY-P250YNW-A (-BS)	PUHY-P400YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1				
	Air flow rate	m³/min: 185 L/s: 3,083 cfm: 6,532	m³/min: 240 L/s: 4,000 cfm: 8,474	m³/min: 240 L/s: 4,000 cfm: 8,474	m³/min: 240 L/s: 4,000 cfm: 8,474	m³/min: 185 L/s: 3,083 cfm: 6,532
	Control, Driving mechanism	Inverter-control, Direct-driven by motor				
	Motor output	kW: 0.92 x 1				
	*5 External static press.	0 Pa (0 mmH ₂ O)				
Compressor	Type	Inverter scroll hermetic compressor				
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW: 7.0	kW: 7.9	kW: 7.9	kW: 7.0	kW: 10.9
	Case heater	kW: -				
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>					
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection				
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 6.5 kg (15 lbs)				
Net weight	kg (lbs)	225 (497)	228 (508)	228 (503)	228 (503)	225 (490)
Heat exchanger	Salt-resistant cross fin & copper tube					
Pipe between unit and distributor	Liquid pipe	mm (in.): 9.52(3/8) Braze	mm (in.): 12.7 (1/2) Braze	mm (in.): 12.7 (1/2) Braze	mm (in.): 12.7 (1/2) Braze	mm (in.): 9.52 (3/8) Braze
	Gas pipe	mm (in.): 22.2(7/8) Braze	mm (in.): 22.2 (7/8) Braze	mm (in.): 22.2 (7/8) Braze	mm (in.): 22.2 (7/8) Braze	mm (in.): 22.2(7/8) Braze
Optional parts	Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G					
	Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G					
	Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G					

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/6°C WB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YSNW-A(-BS)



Specifications

Model	PUHY-P700YSNW-A (-BS)		PUHY-P750YSNW-A (-BS)		PUHY-P800YSNW-A (-BS)																			
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz																		
Cooling capacity (Nominal)	*1	<table border="1"> <tr> <td>kW</td><td>80.0</td> </tr> <tr> <td>BTU/h</td><td>273,000</td> </tr> </table>	kW	80.0	BTU/h	273,000		<table border="1"> <tr> <td>85.0</td> </tr> <tr> <td>290,000</td> </tr> </table>	85.0	290,000		<table border="1"> <tr> <td>90.0</td> </tr> <tr> <td>307,100</td> </tr> </table>	90.0	307,100										
kW	80.0																							
BTU/h	273,000																							
85.0																								
290,000																								
90.0																								
307,100																								
	Power input	kW	20.35		21.99	22.76																		
	Current input	A	34.3-32.6-31.4		37.1-35.2-33.9	38.4-36.5-35.1																		
	EER	kW/kW	3.93		3.86	3.95																		
Temp. range of cooling	Indoor	W.B.	15.0-24.0 °C (59~75 °F)		15.0-24.0 °C (59~75 °F)	15.0-24.0 °C (59~75 °F)																		
	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)		-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)																		
Heating capacity (Max)	*2	<table border="1"> <tr> <td>kW</td><td>88.0</td> </tr> <tr> <td>BTU/h</td><td>300,300</td> </tr> </table>	kW	88.0	BTU/h	300,300		<table border="1"> <tr> <td>95.0</td> </tr> <tr> <td>324,100</td> </tr> </table>	95.0	324,100		<table border="1"> <tr> <td>100.0</td> </tr> <tr> <td>341,200</td> </tr> </table>	100.0	341,200										
kW	88.0																							
BTU/h	300,300																							
95.0																								
324,100																								
100.0																								
341,200																								
	Power input	kW	21.15		24.54	24.39																		
	Current input	A	35.7-33.9-32.6		41.4-39.3-37.9	41.1-39.1-37.7																		
	COP	kW/kW	4.16		3.87	4.10																		
(Nominal)	*3	<table border="1"> <tr> <td>kW</td><td>80.0</td> </tr> <tr> <td>BTU/h</td><td>273,000</td> </tr> </table>	kW	80.0	BTU/h	273,000		<table border="1"> <tr> <td>85.0</td> </tr> <tr> <td>290,000</td> </tr> </table>	85.0	290,000		<table border="1"> <tr> <td>90.0</td> </tr> <tr> <td>307,100</td> </tr> </table>	90.0	307,100										
kW	80.0																							
BTU/h	273,000																							
85.0																								
290,000																								
90.0																								
307,100																								
	Power input	kW	17.53		19.22	19.99																		
	Current input	A	29.5-28.1-27.0		32.4-30.8-29.7	33.7-32.0-30.9																		
	COP	kW/kW	4.56		4.42	4.50																		
Temp. range of heating	Indoor	D.B.	15.0-27.0 °C (59-81 °F)		15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)																		
	Outdoor	W.B.	-20.0-15.5 °C (-4~60 °F)		-20.0-15.5 °C (-4~60 °F)	-20.0-15.5 °C (-4~60 °F)																		
Indoor unit connectable	Total capacity	50-130% of outdoor unit capacity		50-130% of outdoor unit capacity		50-130% of outdoor unit capacity																		
	Model / Quantity	P15-P250/2~50		P15-P250/2~50		P15-P250/2~50																		
Sound pressure level (measured in anechoic room)	*4	dB <A>	65.0 / 67.0		67.0 / 68.5	67.5 / 71.0																		
Sound power level (measured in anechoic room)	*4	dB <A>	83.5 / 86.0		84.5 / 88.0	85.5 / 89.5																		
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed		19.05 (3/4) Brazed	19.05 (3/4) Brazed																		
	Gas pipe	mm (in.)	34.93 (1-3/8) Brazed		34.93 (1-3/8) Brazed	34.93 (1-3/8) Brazed																		
Set Model																								
Model	PUHY-P350YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P450YNW-A (-BS)																		
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2																		
	Air flow rate	<table border="1"> <tr> <td>m³/min</td><td>270</td> </tr> <tr> <td>L/s</td><td>4,500</td> </tr> <tr> <td>cfm</td><td>9,534</td> </tr> </table>	m ³ /min	270	L/s	4,500	cfm	9,534	<table border="1"> <tr> <td>270</td> </tr> <tr> <td>4,500</td> </tr> <tr> <td>9,534</td> </tr> </table>	270	4,500	9,534	<table border="1"> <tr> <td>300</td> </tr> <tr> <td>5,000</td> </tr> <tr> <td>10,593</td> </tr> </table>	300	5,000	10,593	<table border="1"> <tr> <td>270</td> </tr> <tr> <td>4,500</td> </tr> <tr> <td>9,534</td> </tr> </table>	270	4,500	9,534	<table border="1"> <tr> <td>305</td> </tr> <tr> <td>5,083</td> </tr> <tr> <td>10,770</td> </tr> </table>	305	5,083	10,770
m ³ /min	270																							
L/s	4,500																							
cfm	9,534																							
270																								
4,500																								
9,534																								
300																								
5,000																								
10,593																								
270																								
4,500																								
9,534																								
305																								
5,083																								
10,770																								
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor																		
	Motor output	kW	0.48 x 2	0.46 x 2	0.46 x 2	0.46 x 2																		
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)																		
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor																		
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter																		
	Motor output	kW	9.8	9.8	9.8	9.8																		
	Case heater	kW	-	-	-	-																		
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>																			
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740																		
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16																		
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)																		
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection																		
	Compressor	-	-	-	-	-																		
	Fan motor	-	-	-	-	-																		
Refrigerant	Type x original charge	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)																		
Net weight	kg (lbs)	278 (613)	278 (613)	278 (613)	278 (613)	294 (649)																		
Heat exchanger	Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube																			
Pipe between unit	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7(1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed																		
and distributor	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed																		
Optional parts	Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G																			

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YSNW-A(-BS)



Specifications

Model	PUHY-P850YSNW-A (-BS)			PUHY-P900YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	96.0		101.0	
		BTU/h	327,600		344,600	
	Power input	kW	24.66		25.44	
	Current input	A	41.6-39.5-38.1		42.9-40.7-39.3	
	EER	kW/kW	3.89		3.97	
Temp. range of cooling	Indoor	W.B.	15.0-24.0 °C (59-75 °F)		15.0-24.0 °C (59-75 °F)	
	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)		-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2	kW	108.0		113.0	
		BTU/h	368,500		385,600	
	Power input	kW	28.05		27.90	
	Current input	A	47.3-44.9-43.3		47.0-44.7-43.1	
	COP	kW/kW	3.85		4.05	
(Nominal)	*3	kW	96.0		101.0	
		BTU/h	327,600		344,600	
	Power input	kW	21.90		22.64	
	Current input	A	36.9-35.1-33.8		38.2-36.3-34.9	
	COP	kW/kW	4.38		4.46	
Temp. range of heating	Indoor	D.B.	15.0-27.0 °C (59-81 °F)		15.0-27.0 °C (59-81 °F)	
	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)		-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15-P250/2-50			P15-P250/2-50	
Sound pressure level (measured in anechoic room)	*4	dB <A>	68.5 / 71.5		68.5 / 72.5	
Sound power level (measured in anechoic room)	*4	dB <A>	86.0 / 90.5		86.5 / 91.5	
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05 (3/4) Brazed		19.05 (3/4) Brazed	
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed		41.28 (1-5/8) Brazed	

Set Model

Model	PUHY-P400YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P450YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate			
	m³/min	300	305	305
	L/s	5,000	5,083	5,083
	cfm	10,593	10,770	10,770
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 2	0.46 x 2
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method	Inverter	Inverter	Inverter
	Motor output	kW	10.9	12.4
	Case heater	kW	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor	-	-	-
	Fan motor	-	-	-
Refrigerant	Type x original charge	R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
	Net weight	kg (lbs)	278 (613)	294 (649)
Heat exchanger	Salt-resistant cross fin & copper tube			
Pipe between unit and distributor	Liquid pipe	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB (68 °FD.B.), Outdoor: 7 °CDB (68 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YSNW-A(-BS)



Specifications

Model	PUHY-P950YSNW-A (-BS)			PUHY-P1000YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	108.0			113.0	
	BTU/h	368,500			385,600	
	Power input kW	26.13			27.74	
	Current input A	44.1-41.9-40.3			46.8-44.4-42.8	
	EER kW/kW	4.13			4.07	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)			15.0-24.0 °C (59-75 °F)	
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)			-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2 kW	119.5			127.0	
	BTU/h	407,700			433,300	
	Power input kW	27.20			30.45	
	Current input A	45.9-43.6-42.0			51.4-48.8-47.0	
	COP kW/kW	4.39			4.17	
(Nominal)	*3 kW	108.0			113.0	
	BTU/h	368,500			385,600	
	Power input kW	22.78			24.44	
	Current input A	38.4-36.5-35.2			41.2-39.1-37.7	
	COP kW/kW	4.74			4.62	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)			15.0-27.0 °C (59-81 °F)	
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)			-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15-P250/2-50			P15-P250/2-50	
Sound pressure level (measured in anechoic room)	*4 dB <A>	66.0 / 68.0			68.0 / 69.5	
Sound power level (measured in anechoic room)	*4 dB <A>	84.5 / 87.0			85.5 / 88.5	
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed	
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model						
Model	PUHY-P250YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P250YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P400YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2
	Air flow rate m³/min	185	270	270	185	270
	L/s	3,083	4,500	4,500	3,083	4,500
	cfm	6,532	9,534	9,534	6,532	9,534
	Control, Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor	
	Motor output kW	0.92 x 1	0.46 x 2	0.46 x 2	0.92 x 1	0.46 x 2
*5	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	7.0	9.8	9.8	7.0	9.8
	Case heater kW	-	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 6.5 kg (15 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 9.8 kg (22 lbs)
	Net weight kg (lbs)	225 (497)	278 (613)	278 (613)	225 (497)	278 (613)
Heat exchanger	Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe mm (in.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed
	Gas pipe mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YSNW-A(-BS)



Specifications

Model	PUHY-P1050YSNW-A (-BS)			PUHY-P1100YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	118.0			124.0	
	BTU/h	402,600			423,100	
	Power input kW	29.35			31.87	
	Current input A	49.5-47.0-45.3			53.8-51.1-49.2	
	EER kW/kW	4.02			3.89	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)			15.0-24.0 °C (59-75 °F)	
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)			-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2 kW	132.0			140.0	
	BTU/h	450,400			477,700	
	Power input kW	33.30			35.34	
	Current input A	56.2-53.4-51.4			59.6-56.6-54.6	
	COP kW/kW	3.96			3.96	
(Nominal)	*3 kW	118.0			124.0	
	BTU/h	402,600			423,100	
	Power input kW	26.10			27.74	
	Current input A	44.0-41.8-40.3			46.8-44.4-42.8	
	COP kW/kW	4.52			4.47	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)			15.0-27.0 °C (59-81 °F)	
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)			-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15~P250/3~50			P15~P250/3~50	
Sound pressure level (measured in anechoic room)	*4 dB <A>	68.5 / 70.5			68.5 / 70.0	
Sound power level (measured in anechoic room)	*4 dB <A>	86.0 / 89.5			86.0 / 88.0	
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed	
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model						
Model	PUHY-P250YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P350YNW-A (-BS)	PUHY-P400YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate m³/min	185	300	300	270	270
	L/s	3,083	5,000	5,000	4,500	4,500
	cfm	6,532	10,593	10,593	9,534	9,534
	Control, Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor	
	Motor output kW	0.92 x 1	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	7.0	10.9	10.9	9.8	9.8
	Case heater kW	-	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 6.5 kg (15 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)
	Net weight kg (lbs)	225 (497)	278 (613)	278 (613)	278 (613)	278 (613)
Heat exchanger	Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe mm (in.)	9.52 (3/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed
	Gas pipe mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YSNW-A(-BS)



Specifications

Model	PUHY-P1150YSNW-A (-BS)			PUHY-P1200YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	130.0			136.0	
	BTU/h	443,600			464,000	
	Power input kW	33.82			35.69	
	Current input A	57.0-54.2-52.2			60.2-57.2-55.1	
	EER kW/kW	3.84			3.81	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)			15.0-24.0 °C (59-75 °F)	
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)			-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2 kW	145.0			150.0	
	BTU/h	494,700			511,800	
	Power input kW	38.32			41.42	
	Current input A	64.6-61.4-59.2			69.9-66.4-64.0	
	COP kW/kW	3.78			3.62	
(Nominal)	*3 kW	130.0			136.0	
	BTU/h	443,600			464,000	
	Power input kW	29.68			31.62	
	Current input A	50.1-47.5-45.8			53.3-50.7-48.8	
	COP kW/kW	4.38			4.30	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)			15.0-27.0 °C (59-81 °F)	
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)			-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15-P250/3-50			P15-P250/3-50	
Sound pressure level (measured in anechoic room)	*4 dB <A>	69.0 / 71.0			70.0 / 72.0	
Sound power level (measured in anechoic room)	*4 dB <A>	86.5 / 90.0			87.5 / 91.0	
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed	
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model						
Model	PUHY-P350YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate m³/min	270	300	300	300	300
	L/s	4,500	5,000	5,000	5,000	5,000
	cfm	9,534	10,593	10,593	10,593	10,593
	Control, Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor	
	Motor output kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	9.8	10.9	10.9	10.9	10.9
	Case heater kW	-	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)
	Net weight kg (lbs)	278 (613)	278 (613)	278 (613)	278 (613)	278 (613)
Heat exchanger	Salt-resistant cross fin & copper tube					
Pipe between unit and distributor	Liquid pipe mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16 ft.)	0m (0 ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YSNW-A(-BS)



Specifications

Model	PUHY-P1250YSNW-A (-BS)			PUHY-P1300YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	140.0			146.0	
	BTU/h	477,700			498,200	
	Power input kW	36.17			37.24	
	Current input A	61.0-58.0-55.9			62.8-59.7-57.5	
	EER kW/kW	3.87			3.92	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)			15.0-24.0 °C (59-75 °F)	
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)			-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2 kW	156.5			163.0	
	BTU/h	534,000			556,200	
	Power input kW	41.40			41.55	
	Current input A	69.8-66.3-63.9			70.1-66.6-64.2	
	COP kW/kW	3.78			3.92	
(Nominal)	*3 kW	140.0			146.0	
	BTU/h	477,700			498,200	
	Power input kW	32.11			33.10	
	Current input A	54.2-51.4-49.6			55.8-53.0-51.1	
	COP kW/kW	4.36			4.41	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)			15.0-27.0 °C (59-81 °F)	
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)			-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15-P250/3-50			P15-P250/3-50	
Sound pressure level (measured in anechoic room)	*4 dB <A>	70.0 / 73.0			70.0 / 73.5	
Sound power level (measured in anechoic room)	*4 dB <A>	87.5 / 92.0			88.0 / 92.5	
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed	
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model						
Model	PUHY-P400YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P400YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P450YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate m³/min	300	300	305	305	305
	L/s	5,000	5,000	5,083	5,000	5,083
	cfm	10,593	10,593	10,770	10,593	10,770
	Control, Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor	
	Motor output kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	10.9	10.9	12.4	10.9	12.4
	Case heater kW	-	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)
	Net weight kg (lbs)	278 (613)	278 (613)	294 (649)	278 (613)	294 (649)
Heat exchanger	Salt-resistant cross fin & copper tube			Salt-resistant cross fin & copper tube		
Pipe between unit and distributor	Liquid pipe mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB (68 °FD.B.), Outdoor: 7 °CDB (6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series

PUHY-P YSNW-A(-BS)



Specifications

Model		PUHY-P1350YSNW-A (-BS)		
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	150.0	
		BTU/h	511,800	
	Power input	kW	37.78	
	Current input	A	63.7-60.5-58.3	
	EER	kW/kW	3.97	
Temp. range of cooling	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	
	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2	kW	168.0	
		BTU/h	573,200	
	Power input	kW	41.40	
	Current input	A	69.8-66.3-63.9	
	COP	kW/kW	4.05	
(Nominal)	*3	kW	150.0	
		BTU/h	511,800	
	Power input	kW	33.63	
	Current input	A	56.7-53.9-51.9	
	COP	kW/kW	4.46	
Temp. range of heating	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	
	Outdoor	W.B.	-20.0-15.5 °C (4-60 °F)	
Indoor unit connectable	Total capacity		50-130% of outdoor unit capacity	
	Model / Quantity		P15-P250/3~50	
Sound pressure level (measured in anechoic room)	*4	dB <A>	70.5 / 74.5	
Sound power level (measured in anechoic room)	*4	dB <A>	88.5 / 93.5	
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05(3/4) Brazed	
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed	
Set Model				
Model		PUHY-P450YNW-A (-BS)	PUHY-P450YNW-A (-BS)	PUHY-P450YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate			
	m³/min	305	305	305
	L/s	5,083	5,083	5,083
	cfm	10,770	10,770	10,770
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		
Compressor	Motor output	kW	0.46 x 2	0.46 x 2
	*5 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter
External finish	Motor output	kW	12.4	12.4
	Case heater	kW	-	-
External dimension HxWxD		mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
		in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices		High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
		Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
		Compressor	-	-
		Fan motor	-	-
Refrigerant		Type x original charge	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
		Net weight	294 (649)	294 (649)
Heat exchanger			Salt-resistant cross fin & copper tube	
Pipe between unit and distributor		Liquid pipe	15.88 (5/8) Brazed	15.88 (5/8) Brazed
		Gas pipe	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300VHK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB (68 °FD B.), Outdoor: 7 °CDB/B.6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YNW-A(-BS)



Specifications

Model	PUHY-EP200YNW-A (-BS)		PUHY-EP250YNW-A (-BS)		PUHY-EP300YNW-A (-BS)	
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW BTU/h	22.4 76,400	28.0 95,500	33.5 114,300	
	Power input Current input EER	kW A kW/kW	4.00 6.7-6.4-6.1 5.60	5.49 9.2-8.8-8.4 5.10	6.96 11.7-11.1-10.7 4.81	
Temp. range of cooling	Indoor Outdoor	W.B. D.B.	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	15.0-24.0 °C (59-75 °F) -5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2	kW BTU/h	25.0 85,300	31.5 107,500	37.5 128,000	
	Power input Current input COP	kW A kW/kW	4.50 7.5-7.2-6.9 5.55	5.86 9.8-9.3-9.0 5.37	7.51 12.6-12.0-11.6 4.99	
	(Nominal)	*3	kW BTU/h	22.4 76,400	28.0 95,500	
		Power input Current input COP	kW A kW/kW	3.86 6.5-6.1-5.9 5.80	5.06 8.5-8.1-7.8 5.53	
Temp. range of heating	Indoor Outdoor	D.B. W.B.	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	15.0-27.0 °C (59-81 °F) -20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity Model / Quantity		50-130% of outdoor unit capacity P15-P250/1~17	50-130% of outdoor unit capacity P15-P250/1~21	50-130% of outdoor unit capacity P15-P250/1~26	
Sound pressure level (measured in anechoic room)	*4	dB <A>	58.0 / 59.0	60.0 / 61.0	61.0 / 64.5	
Sound power level (measured in anechoic room)	*4	dB <A>	75.0 / 78.0	78.0 / 80.0	80.0 / 83.5	
Refrigerant piping diameter	Liquid pipe Gas pipe	mm (in.)	9.52 (3/8) Braze 22.2 (7/8) Braze	9.52 (3/8) Braze (12.7 (1/2) Braze, farthest length >= 90 m) 22.2 (7/8) Braze	9.52 (3/8) Braze (12.7 (1/2) Braze, farthest length >= 40 m) 28.58 (1-1/8) Braze	
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	
	Air flow rate	m ³ /min L/s cfm	170 2,833 6,003	185 3,083 6,532	240 4,000 8,474	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	
	*5 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter	Inverter	
	Motor output	kW	5.6	7.0	7.9	
	Case heater	kW	-	-	-	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm in.	1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	1,858 (1,798 without legs) x 920 x 740 73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	
Protection devices	High pressure protection Inverter circuit (COMP/FAN) Compressor Fan motor		High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-heat protection, Over-current protection	
Refrigerant	Type x original charge		R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	
Net weight	kg (lbs)		231 (510)	231 (510)	235 (519)	
Heat exchanger			Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	
Optional parts			Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YNW-A(-BS)



Specifications

Model	PUHY-EP350YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP500YNW-A (-BS)																																													
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz																																													
Cooling capacity (Nominal) *1	<table border="1"> <tr> <td>kW</td><td>40.0</td><td>45.0</td><td>50.0</td><td>56.0</td></tr> <tr> <td>BTU/h</td><td>136,500</td><td>153,500</td><td>170,600</td><td>191,100</td></tr> </table>	kW	40.0	45.0	50.0	56.0	BTU/h	136,500	153,500	170,600	191,100	<table border="1"> <tr> <td>kW</td><td>8.75</td><td>10.46</td><td>11.10</td><td>12.41</td></tr> <tr> <td>Current input</td><td>A</td><td>14.7-14.0-13.5</td><td>17.6-16.7-16.1</td><td>18.7-17.8-17.1</td></tr> <tr> <td>EER</td><td>kW/kW</td><td>4.57</td><td>4.30</td><td>4.50</td></tr> </table>	kW	8.75	10.46	11.10	12.41	Current input	A	14.7-14.0-13.5	17.6-16.7-16.1	18.7-17.8-17.1	EER	kW/kW	4.57	4.30	4.50	<table border="1"> <tr> <td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr> <td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr> <td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr> <td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)
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Heating capacity (Max)	<table border="1"> <tr> <td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr> <td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr> <td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr> <td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr> <td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr> <td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	<table border="1"> <tr> <td>Indoor</td><td>W.B.</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td><td>15.0-24.0 °C (59-75 °F)</td></tr> <tr> <td>Outdoor</td><td>D.B.</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td><td>-5.0-52.0 °C (23-126 °F)</td></tr> </table>	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)					
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(Nominal) *3	<table border="1"> <tr> <td>Indoor</td><td>W.B.</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr> <td>Outdoor</td><td>D.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	W.B.	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	Outdoor	D.B.	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr> <td>Indoor</td><td>W.B.</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr> <td>Outdoor</td><td>D.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	W.B.	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	Outdoor	D.B.	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr> <td>Indoor</td><td>W.B.</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr> <td>Outdoor</td><td>D.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	W.B.	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	Outdoor	D.B.	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	<table border="1"> <tr> <td>Indoor</td><td>W.B.</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td><td>15.0-27.0 °C (59-81 °F)</td></tr> <tr> <td>Outdoor</td><td>D.B.</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td><td>-20.0-15.5 °C (-4-60 °F)</td></tr> </table>	Indoor	W.B.	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	Outdoor	D.B.	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)					
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Indoor unit connectable	Total capacity Model / Quantity	50~130% of outdoor unit capacity P15~P250/1~30	50~130% of outdoor unit capacity P15~P250/1~34	50~130% of outdoor unit capacity P15~P250/1~39																																													
Sound pressure level (measured in anechoic room) *4	dB <A>	62.0 / 63.5	65.0 / 65.5	65.5 / 69.5																																													
Sound power level (measured in anechoic room) *4	dB <A>	80.5 / 82.5	82.5 / 84.5	83.5 / 88.5																																													
Refrigerant piping diameter	<table border="1"> <tr> <td>Liquid pipe</td><td>mm (in.)</td><td>12.7 (1/2) Brazed</td><td>12.7 (1/2) Brazed</td><td>15.88 (5/8) Brazed</td></tr> <tr> <td>Gas pipe</td><td>mm (in.)</td><td>28.58 (1-1/8) Brazed</td><td>28.58 (1-1/8) Brazed</td><td>28.58 (1-1/8) Brazed</td></tr> </table>	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	<table border="1"> <tr> <td>Liquid pipe</td><td>mm (in.)</td><td>12.7 (1/2) Brazed</td><td>12.7 (1/2) Brazed</td><td>15.88 (5/8) Brazed</td></tr> <tr> <td>Gas pipe</td><td>mm (in.)</td><td>28.58 (1-1/8) Brazed</td><td>28.58 (1-1/8) Brazed</td><td>28.58 (1-1/8) Brazed</td></tr> </table>	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	<table border="1"> <tr> <td>Liquid pipe</td><td>mm (in.)</td><td>12.7 (1/2) Brazed</td><td>12.7 (1/2) Brazed</td><td>15.88 (5/8) Brazed</td></tr> <tr> <td>Gas pipe</td><td>mm (in.)</td><td>28.58 (1-1/8) Brazed</td><td>28.58 (1-1/8) Brazed</td><td>28.58 (1-1/8) Brazed</td></tr> </table>	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	<table border="1"> <tr> <td>Liquid pipe</td><td>mm (in.)</td><td>12.7 (1/2) Brazed</td><td>12.7 (1/2) Brazed</td><td>15.88 (5/8) Brazed</td></tr> <tr> <td>Gas pipe</td><td>mm (in.)</td><td>28.58 (1-1/8) Brazed</td><td>28.58 (1-1/8) Brazed</td><td>28.58 (1-1/8) Brazed</td></tr> </table>	Liquid pipe	mm (in.)	12.7 (1/2) Brazed	12.7 (1/2) Brazed	15.88 (5/8) Brazed	Gas pipe	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed					
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FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2																																													
	Air flow rate	<table border="1"> <tr> <td>m³/min</td><td>270</td><td>270</td><td>305</td><td>365</td></tr> <tr> <td>L/s</td><td>4,500</td><td>4,500</td><td>5,083</td><td>6,083</td></tr> <tr> <td>cfm</td><td>9,534</td><td>9,534</td><td>10,770</td><td>12,888</td></tr> </table>	m³/min	270	270	305	365	L/s	4,500	4,500	5,083	6,083	cfm	9,534	9,534	10,770	12,888	<table border="1"> <tr> <td>m³/min</td><td>270</td><td>270</td><td>305</td><td>365</td></tr> <tr> <td>L/s</td><td>4,500</td><td>4,500</td><td>5,083</td><td>6,083</td></tr> <tr> <td>cfm</td><td>9,534</td><td>9,534</td><td>10,770</td><td>12,888</td></tr> </table>	m³/min	270	270	305	365	L/s	4,500	4,500	5,083	6,083	cfm	9,534	9,534	10,770	12,888	<table border="1"> <tr> <td>m³/min</td><td>270</td><td>270</td><td>305</td><td>365</td></tr> <tr> <td>L/s</td><td>4,500</td><td>4,500</td><td>5,083</td><td>6,083</td></tr> <tr> <td>cfm</td><td>9,534</td><td>9,534</td><td>10,770</td><td>12,888</td></tr> </table>	m³/min	270	270	305	365	L/s	4,500	4,500	5,083	6,083	cfm	9,534	9,534	10,770	12,888
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	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor																																													
	Motor output	kW	0.46 x 2	0.46 x 2																																													
*5	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)																																													
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor																																													
	Starting method	Inverter	Inverter	Inverter																																													
	Motor output	kW	9.8	10.9																																													
	Case heater	kW	-	-																																													
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>																																													
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740																																													
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16																																													
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)																																													
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection																																													
	Compressor	-	-	-																																													
	Fan motor	-	-	-																																													
Refrigerant	Type x original charge	R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)																																													
	Net weight	kg (lbs)	285 (629)	305 (673)																																													
Heat exchanger		Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube																																													
Optional parts		Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G	Joint: CMY-Y102SS/LS-G2, CMY-Y202S-G2 Header: CMY-Y104/108/1010-G																																													

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

*3 Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20 °CD B. (68 °FD B.), Outdoor: 7 °CD B./6 °CW.B. (45 °FD.B./43 °FW.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YSNW-A(-BS)



Specifications

Model	PUHY-EP400YSNW-A (-BS)		PUHY-EP450YSNW-A (-BS)		PUHY-EP500YSNW-A (-BS)	
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz		3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	45.0	50.0	56.0	
		BTU/h	153,500	170,600	191,100	
	Power input	kW	8.27	9.67	11.31	
	Current input	A	13.9-13.2-12.7	16.3-15.5-14.9	19.0-18.1-17.4	
	EER	kW/kW	5.44	5.17	4.95	
Temp. range of cooling	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	15.0-24.0 °C (59-75 °F)	
	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2	kW	50.0	56.0	63.0	
		BTU/h	170,600	191,100	215,000	
	Power input	kW	9.27	10.58	12.09	
	Current input	A	15.6-14.8-14.3	17.8-16.9-16.3	20.4-19.3-18.6	
	COP	kW/kW	5.39	5.29	5.21	
(Nominal)	*3	kW	45.0	50.0	56.0	
		BTU/h	153,500	170,600	191,100	
	Power input	kW	7.99	9.10	10.42	
	Current input	A	13.4-12.8-12.3	15.3-14.5-14.0	17.5-16.7-16.1	
	COP	kW/kW	5.63	5.49	5.37	
Temp. range of heating	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	15.0-27.0 °C (59-81 °F)	
	Outdoor	W.B.	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		50~130% of outdoor unit capacity
	Model / Quantity	P15-P250/1~34		P15-P250/1~39		P15-P250/1~43
Sound pressure level (measured in anechoic room)	*4	dB <A>	61.0 / 62.0	62.0 / 63.0	63.0 / 64.0	
Sound power level (measured in anechoic room)	*4	dB <A>	78.0 / 81.0	80.0 / 82.0	81.0 / 83.0	
Refrigerant piping diameter	Liquid pipe	mm (in.)	12.7 (1/2) Braze	15.88(5/8) Braze	15.88(5/8) Braze	
	Gas pipe	mm (in.)	28.58(1-1/8) Braze	28.58(1-1/8) Braze	28.58(1-1/8) Braze	
Set Model						
Model	PUHY-EP200YNW-A (-BS)	PUHY-EP200YNW-A (-BS)	PUHY-EP200YNW-A (-BS)	PUHY-EP250YNW-A (-BS)	PUHY-EP250YNW-A (-BS)	PUHY-EP250YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m ³ /min	170	170	185	185
		L/s	2,833	2,833	3,083	3,083
		cfm	6,003	6,003	6,532	6,532
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output	kW	5.6	5.6	7.0	7.0
	Case heater	kW	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)
	Net weight	kg (lbs)	231 (510)	231 (510)	231 (510)	231 (510)
Heat exchanger	Salt-resistant cross fin & aluminium tube					
Pipe between unit and distributor	Liquid pipe	mm (in.)	9.52(3/8) Braze	9.52 (3/8) Braze	9.52(3/8) Braze	9.52 (3/8) Braze
	Gas pipe	mm (in.)	22.2(7/8) Braze	22.2 (7/8) Braze	22.2(7/8) Braze	22.2 (7/8) Braze
Optional parts	Outdoor Twinning kit: CMY-Y100VK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*3 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/6°F WB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YSNW-A(-BS)



Specifications

Model	PUHY-EP550YSNW-A (-BS)			PUHY-EP600YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	63.0			69.0	
	BTU/h	215,000			235,400	
	Power input kW	13.10			14.75	
	Current input A	22.1-21.0-20.2			24.9-23.6-22.8	
	EER kW/kW	4.80			4.67	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)			15.0-24.0 °C (59-75 °F)	
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)			-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2 kW	69.0			76.5	
	BTU/h	235,400			261,000	
	Power input kW	13.77			15.79	
	Current input A	23.2-22.0-21.2			26.6-25.3-24.4	
	COP kW/kW	5.01			4.84	
(Nominal)	*3 kW	63.0			69.0	
	BTU/h	215,000			235,400	
	Power input kW	11.93			13.26	
	Current input A	20.1-19.1-18.4			22.3-21.2-20.4	
	COP kW/kW	5.28			5.20	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)			15.0-27.0 °C (59-81 °F)	
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)			-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15~P250/2~47			P15~P250/2~50	
Sound pressure level (measured in anechoic room)	*4 dB <A>	63.5 / 66.0			64.0 / 67.5	
Sound power level (measured in anechoic room)	*4 dB <A>	82.0 / 85.0			83.0 / 86.5	
Refrigerant piping diameter	Liquid pipe mm (in.)	15.88(5/8) Brazed			15.88(5/8) Brazed	
	Gas pipe mm (in.)	28.58(1-1/8) Brazed			28.58(1-1/8) Brazed	
Set Model						
Model	PUHY-EP250YNW-A (-BS)	PUHY-EP300YNW-A (-BS)	PUHY-EP300YNW-A (-BS)	PUHY-EP300YNW-A (-BS)	PUHY-EP300YNW-A (-BS)	PUHY-EP300YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate m ³ /min	185	240	240	240	240
	L/s	3,083	4,000	4,000	4,000	4,000
	cfm	6,532	8,474	8,474	8,474	8,474
	Control, Driving mechanism	Inverter-control, Direct-driven by motor				
Compressor	Motor output kW	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1	0.92 x 1
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type	Inverter scroll hermetic compressor				
External finish	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	7.0	7.9	7.9	7.9	7.9
	Case heater kW	-	-	-	-	-
External dimension HxWxD		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
Protection devices	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	
Refrigerant	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection		Over-heat protection, Over-current protection		
	Compressor	-	-	-	-	-
Optional parts	Fan motor	-	-	-	-	-
	Type x original charge	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 6.5 kg (15 lbs)	
	Net weight kg (lbs)	231 (510)	235 (519)	235 (519)	235 (519)	
Heat exchanger						
Salt-resistant cross fin & aluminium tube						
Pipe between unit and distributor	Liquid pipe mm (in.)	9.52(3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	
	Gas pipe mm (in.)	22.2(7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YSNW-A(-BS)



Specifications

Model	PUHY-EP650YSNW-A (-BS)			PUHY-EP700YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	73.0			80.0	
	BTU/h	249,100			273,000	
	Power input kW	16.32			18.00	
	Current input A	27.5-26.1-25.2			30.3-28.8-27.8	
	EER kW/kW	4.47			4.44	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)			15.0-24.0 °C (59-75 °F)	
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)			-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2 kW	81.5			88.0	
	BTU/h	278,100			300,300	
	Power input kW	18.47			19.85	
	Current input A	31.1-29.6-28.5			33.5-31.8-30.6	
	COP kW/kW	4.41			4.43	
(Nominal)	*3 kW	73.0			80.0	
	BTU/h	249,100			273,000	
	Power input kW	15.08			17.02	
	Current input A	25.4-24.1-23.3			28.7-27.2-26.3	
	COP kW/kW	4.84			4.70	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)			15.0-27.0 °C (59-81 °F)	
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)			-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15-P250/2-50			P15-P250/2-50	
Sound pressure level (measured in anechoic room)	*4 dB <A>	66.5 / 67.0			65.0 / 66.5	
Sound power level (measured in anechoic room)	*4 dB <A>	84.0 / 86.0			83.5 / 85.5	
Refrigerant piping diameter	Liquid pipe mm (in.)	15.88(5/8) Brazed			19.05 (3/4) Brazed	
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed			34.93 (1-3/8) Brazed	

Set Model

Model	PUHY-EP250YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP350YNW-A (-BS)	PUHY-EP350YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Air flow rate m ³ /min	185	270	270
	L/s	3,083	4,500	4,500
	cfm	6,532	9,534	9,534
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	
	Motor output kW	0.92 x 1	0.46 x 2	0.46 x 2
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter
	Motor output kW	7.0	10.9	9.8
	Case heater kW	-	-	-
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	
	Compressor	-	-	-
	Fan motor	-	-	-
Refrigerant	Type x original charge	R410A x 6.5 kg (15 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 9.8 kg (22 lbs)
Net weight	kg (lbs)	231 (510)	305 (673)	285 (629)
Heat exchanger		Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	Liquid pipe mm (in.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed
	Gas pipe mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts		Outdoor Twinning kit: CMY-Y100VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G	Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB (68 °FD.B.), Outdoor: 7 °CDB (68 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YSNW-A(-BS)



Specifications

Model	PUHY-EP750YSNW-A (-BS)			PUHY-EP800YSNW-A (-BS)
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1 kW	85.0		90.0
	BTU/h	290,000		307,100
	Power input kW	19.75		20.45
	Current input A	33.3-31.6-30.5		34.5-32.7-31.6
	EER kW/kW	4.30		4.40
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)		15.0-24.0 °C (59-75 °F)
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)		-5.0-52.0 °C (23-126 °F)
Heating capacity (Max)	*2 kW	95.0		100.0
	BTU/h	324,100		341,200
	Power input kW	22.88		23.30
	Current input A	38.6-36.6-35.3		39.3-37.3-36.0
	COP kW/kW	4.15		4.29
(Nominal)	*3 kW	85.0		90.0
	BTU/h	290,000		307,100
	Power input kW	18.47		19.27
	Current input A	31.1-29.6-28.5		32.5-30.9-29.7
	COP kW/kW	4.60		4.67
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)		15.0-27.0 °C (59-81 °F)
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)		-20.0-15.5 °C (-4-60 °F)
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity		50~130% of outdoor unit capacity
	Model / Quantity	P15-P250/2-50		P15-P250/2-50
Sound pressure level (measured in anechoic room)	*4 dB <A>	67.0 / 67.5		67.5 / 70.5
Sound power level (measured in anechoic room)	*4 dB <A>	84.5 / 86.5		85.5 / 89.5
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05 (3/4) Brazed		19.05 (3/4) Brazed
	Gas pipe mm (in.)	34.93 (1-3/8) Brazed		34.93 (1-3/8) Brazed
Set Model				
Model	PUHY-EP350YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP350YNW-A (-BS)	PUHY-EP450YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate m³/min	270	270	270
	L/s	4,500	4,500	4,500
	cfm	9,534	9,534	9,534
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output kW	0.46 x 2	0.46 x 2	0.46 x 2
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method	Inverter	Inverter	Inverter
	Motor output kW	9.8	10.9	9.8
	Case heater kW	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor	-	-	-
	Fan motor	-	-	-
Refrigerant	Type x original charge	R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 9.8 kg (22 lbs)
Net weight	kg (lbs)	285 (629)	305 (673)	285 (629)
Heat exchanger	Salt-resistant cross fin & aluminium tube			
Pipe between unit and distributor	Liquid pipe mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	12.7 (1/2) Brazed
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YSNW-A(-BS)



Specifications

Model	PUHY-EP850YSNW-A (-BS)			PUHY-EP900YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	96.0			101.0	
	BTU/h	327,600			344,600	
	Power input kW	22.40			23.10	
	Current input A	37.8-35.9-34.6			38.9-37.0-35.7	
	EER kW/kW	4.28			4.37	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)			15.0-24.0 °C (59-75 °F)	
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)			-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2 kW	108.0			113.0	
	BTU/h	368,500			385,600	
	Power input kW	26.66			27.07	
	Current input A	45.0-42.7-41.2			45.6-43.4-41.8	
	COP kW/kW	4.05			4.17	
(Nominal)	*3 kW	96.0			101.0	
	BTU/h	327,600			344,600	
	Power input kW	20.96			21.76	
	Current input A	35.3-33.6-32.3			36.7-34.8-33.6	
	COP kW/kW	4.58			4.64	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)			15.0-27.0 °C (59-81 °F)	
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)			-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15-P250/2-50			P15-P250/2-50	
Sound pressure level (measured in anechoic room)	*4 dB <A>	68.5 / 71.0			68.5 / 72.5	
Sound power level (measured in anechoic room)	*4 dB <A>	86.0 / 90.0			86.5 / 91.5	
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05 (3/4) Brazed			19.05 (3/4) Brazed	
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model						
Model	PUHY-EP400YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	
	Air flow rate m³/min	270	305	305	305	
	L/s	4,500	5,083	5,083	5,083	
	cfm	9,534	10,770	10,770	10,770	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor	
	Motor output kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	
Compressor	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	
	Motor output kW	10.9	12.4	12.4	12.4	
	Case heater kW	-	-	-	-	
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
		in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	
	Net weight kg (lbs)	305 (673)	305 (673)	305 (673)	305 (673)	
Heat exchanger						
Salt-resistant cross fin & aluminium tube						
Pipe between unit and distributor	Liquid pipe mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Optional parts		Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y200VBK2 Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD B. (68 °FD B.), Outdoor: 7 °CD B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YSNW-A(-BS)



Specifications

Model	PUHY-EP950YSNW-A (-BS)			PUHY-EP1000YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	108.0			113.0	
	BTU/h	368,500			385,600	
	Power input kW	23.62			25.33	
	Current input A	39.8-37.8-36.5			42.7-40.6-39.1	
	EER kW/kW	4.57			4.46	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)			15.0-24.0 °C (59-75 °F)	
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)			-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2 kW	119.5			127.0	
	BTU/h	407,700			433,300	
	Power input kW	25.79			28.70	
	Current input A	43.5-41.3-39.8			48.4-46.0-44.3	
	COP kW/kW	4.63			4.42	
(Nominal)	*3 kW	108.0			113.0	
	BTU/h	368,500			385,600	
	Power input kW	22.13			23.59	
	Current input A	37.3-35.4-34.2			39.8-37.8-36.4	
	COP kW/kW	4.88			4.79	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)			15.0-27.0 °C (59-81 °F)	
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)			-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15~P250/2~50			P15~P250/2~50	
Sound pressure level (measured in anechoic room)	*4 dB <A>	66.0 / 67.5			68.0 / 68.5	
Sound power level (measured in anechoic room)	*4 dB <A>	84.5 / 86.5			85.5 / 87.5	
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed	
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model						
Model	PUHY-EP2500YNW-A (-BS)	PUHY-EP3500YNW-A (-BS)	PUHY-EP3500YNW-A (-BS)	PUHY-EP2500YNW-A (-BS)	PUHY-EP3500YNW-A (-BS)	PUHY-EP4000YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 1	Propeller fan x 2
	Air flow rate m³/min	185	270	270	185	270
	L/s	3,083	4,500	4,500	3,083	4,500
	cfm	6,532	9,534	9,534	6,532	9,534
	Control, Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor	
	Motor output kW	0.92 x 1	0.46 x 2	0.46 x 2	0.92 x 1	0.46 x 2
Compressor	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	7.0	9.8	9.8	7.0	9.8
	Case heater kW	-	-	-	-	-
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection	
Refrigerant	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Net weight	Type x original charge	R410A x 6.5 kg (15 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 6.5 kg (15 lbs)	R410A x 9.8 kg (22 lbs)
	kg (lbs)	231 (510)	285 (629)	285 (629)	231 (510)	285 (629)
Heat exchanger		Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	Liquid pipe mm (in.)	9.52 (3/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed	9.52 (3/8) Brazed	12.7 (1/2) Brazed
	Gas pipe mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
Optional parts		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YSNW-A(-BS)



Specifications

Model	PUHY-EP1050YSNW-A (-BS)			PUHY-EP1100YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	118.0			124.0	
	BTU/h	402,600			423,100	
	Power input kW	27.05			28.56	
	Current input A	45.6-43.3-41.8			48.2-45.8-44.1	
	EER kW/kW	4.36			4.34	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)			15.0-24.0 °C (59-75 °F)	
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)			-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2 kW	132.0			140.0	
	BTU/h	450,400			477,700	
	Power input kW	31.26			33.00	
	Current input A	52.7-50.1-48.3			55.7-52.9-51.0	
	COP kW/kW	4.22			4.24	
(Nominal)	*3 kW	118.0			124.0	
	BTU/h	402,600			423,100	
	Power input kW	25.05			26.78	
	Current input A	42.2-40.1-38.7			45.2-42.9-41.3	
	COP kW/kW	4.71			4.63	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)			15.0-27.0 °C (59-81 °F)	
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)			-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15~P250/3~50			P15~P250/3~50	
Sound pressure level (measured in anechoic room)	*4 dB <A>	68.5 / 69.0			68.5 / 69.0	
Sound power level (measured in anechoic room)	*4 dB <A>	86.0 / 88.0			86.0 / 89.0	
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed	
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	

Set Model

Model	PUHY-EP2500YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP3500YNW-A (-BS)	PUHY-EP3500YNW-A (-BS)	PUHY-EP400YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate m ³ /min	185	270	270	270	270
	L/s	3,083	4,500	4,500	4,500	4,500
	cfm	6,532	9,534	9,534	9,534	9,534
	Control, Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor	
	Motor output kW	0.92 x 1	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
*5	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	7.0	10.9	10.9	9.8	9.8
	Case heater kW	-	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD	mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 6.5 kg (15 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 9.8 kg (22 lbs)	R410A x 9.8 kg (22 lbs)
	Net weight kg (lbs)	231 (510)	305 (673)	305 (673)	285 (629)	285 (629)
Heat exchanger	Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube		
Pipe between unit and distributor	Liquid pipe mm (in.)	9.52 (3/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	12.7 (1/2) Brazed	12.7 (1/2) Brazed
	Gas pipe mm (in.)	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD B. (68 °FD B.), Outdoor: 7 °CD B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YSNW-A(-BS)



Specifications

Model	PUHY-EP1150YSNW-A (-BS)			PUHY-EP1200YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	130.0			136.0	
	BTU/h	443,600			464,000	
	Power input kW	30.56			32.58	
	Current input A	51.5-49.0-47.2			55.0-52.2-50.3	
	EER kW/kW	4.25			4.17	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)		15.0-24.0 °C (59-75 °F)		
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)		-5.0-52.0 °C (23-126 °F)		
Heating capacity (Max)	*2 kW	145.0			150.0	
	BTU/h	494,700			511,800	
	Power input kW	35.60			38.34	
	Current input A	60.0-57.0-55.0			64.7-61.4-59.2	
	COP kW/kW	4.07			3.91	
(Nominal)	*3 kW	130.0			136.0	
	BTU/h	443,600			464,000	
	Power input kW	28.50			30.22	
	Current input A	48.1-45.7-44.0			51.0-48.4-46.7	
	COP kW/kW	4.56			4.50	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)		15.0-27.0 °C (59-81 °F)		
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)		-20.0-15.5 °C (-4-60 °F)		
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity		50~130% of outdoor unit capacity		
	Model / Quantity	P15-P250/3-50		P15-P250/3-50		
Sound pressure level (measured in anechoic room)	*4 dB <A>	69.0 / 69.5		70.0 / 70.5		
Sound power level (measured in anechoic room)	*4 dB <A>	86.5 / 88.5		87.5 / 89.5		
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed		19.05(3/4) Brazed		
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed		41.28 (1-5/8) Brazed		
Set Model						
Model	PUHY-EP3500YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate m³/min	270	270	270	270	270
	L/s	4,500	4,500	4,500	4,500	4,500
	cfm	9,534	9,534	9,534	9,534	9,534
	Control, Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor	
	Motor output kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	9.8	10.9	10.9	10.9	10.9
	Case heater kW	-	-	-	-	-
External finish	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-
	Fan motor	-	-	-	-	-
Refrigerant	Type x original charge	R410A x 9.8 kg (22 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
	Net weight kg (lbs)	285 (629)	305 (673)	305 (673)	305 (673)	305 (673)
Heat exchanger	Salt-resistant cross fin & aluminium tube					
Pipe between unit and distributor	Liquid pipe mm (in.)	12.7 (1/2) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts	Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G		

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YSNW-A(-BS)



Specifications

Model	PUHY-EP1250YSNW-A (-BS)			PUHY-EP1300YSNW-A (-BS)		
Power source	3-phase 4-wire 380-400-415 V 50/60 Hz			3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1 kW	140.0			146.0	
	BTU/h	477,700			498,200	
	Power input kW	32.98			33.85	
	Current input A	55.6-52.8-50.9			57.1-54.2-52.3	
	EER kW/kW	4.24			4.31	
Temp. range of cooling	Indoor W.B.	15.0-24.0 °C (59-75 °F)			15.0-24.0 °C (59-75 °F)	
	Outdoor D.B.	-5.0-52.0 °C (23-126 °F)			-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2 kW	156.5			163.0	
	BTU/h	534,000			556,200	
	Power input kW	39.00			39.81	
	Current input A	65.8-62.5-60.2			67.2-63.8-61.5	
	COP kW/kW	4.01			4.09	
(Nominal)	*3 kW	140.0			146.0	
	BTU/h	477,700			498,200	
	Power input kW	30.76			31.71	
	Current input A	51.9-49.3-47.5			53.5-50.8-49.0	
	COP kW/kW	4.55			4.60	
Temp. range of heating	Indoor D.B.	15.0-27.0 °C (59-81 °F)			15.0-27.0 °C (59-81 °F)	
	Outdoor W.B.	-20.0-15.5 °C (-4-60 °F)			-20.0-15.5 °C (-4-60 °F)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity			50~130% of outdoor unit capacity	
	Model / Quantity	P15-P250/3-50			P15-P250/3-50	
Sound pressure level (measured in anechoic room)	*4 dB <A>	70.0 / 72.0			70.0 / 73.5	
Sound power level (measured in anechoic room)	*4 dB <A>	87.5 / 91.0			88.0 / 92.5	
Refrigerant piping diameter	Liquid pipe mm (in.)	19.05(3/4) Brazed			19.05(3/4) Brazed	
	Gas pipe mm (in.)	41.28 (1-5/8) Brazed			41.28 (1-5/8) Brazed	
Set Model						
Model	PUHY-EP400YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP400YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate m³/min	270	270	305	305	305
	L/s	4,500	4,500	5,083	5,083	5,083
	cfm	9,534	9,534	10,770	9,534	10,770
	Control, Driving mechanism	Inverter-control, Direct-driven by motor			Inverter-control, Direct-driven by motor	
	Motor output kW	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2	0.46 x 2
Compressor	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type	Inverter scroll hermetic compressor			Inverter scroll hermetic compressor	
	Starting method	Inverter	Inverter	Inverter	Inverter	Inverter
	Motor output kW	10.9	10.9	12.4	10.9	12.4
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD	mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP/FAN)	Over-heat protection, Over-current protection			Over-heat protection, Over-current protection	
	Compressor	-	-	-	-	-
Refrigerant	Fan motor	-	-	-	-	-
	Type x original charge	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
	Net weight kg (lbs)	305 (673)	305 (673)	305 (673)	305 (673)	305 (673)
Heat exchanger		Salt-resistant cross fin & aluminium tube			Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor	Liquid pipe mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Gas pipe mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts		Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G			Outdoor Twinning kit: CMY-Y300VBK3 Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*6 Due to continuing improvement, above specification may be subject to change without notice.

OUTDOOR UNIT Y Series - High efficiency

PUHY-EP YSNW-A(-BS)



Specifications

Model		PUHY-EP1350YSNW-A (-BS)		
Power source		3-phase 4-wire 380-400-415 V 50/60 Hz		
Cooling capacity (Nominal)	*1	kW	150.0	
		BTU/h	511,800	
	Power input	kW	34.30	
	Current input	A	57.9-55.0-53.0	
	EER	kW/kW	4.37	
Temp. range of cooling	Indoor	W.B.	15.0-24.0 °C (59-75 °F)	
	Outdoor	D.B.	-5.0-52.0 °C (23-126 °F)	
Heating capacity (Max)	*2	kW	168.0	
		BTU/h	573,200	
	Power input	kW	40.24	
	Current input	A	67.9-64.5-62.2	
	COP	kW/kW	4.17	
(Nominal)	*3	kW	150.0	
		BTU/h	511,800	
	Power input	kW	32.32	
	Current input	A	54.5-51.8-49.9	
	COP	kW/kW	4.64	
Temp. range of heating	Indoor	D.B.	15.0-27.0 °C (59-81 °F)	
	Outdoor	W.B.	-20.0-15.5 °C (4-60 °F)	
Indoor unit connectable	Total capacity		50-130% of outdoor unit capacity	
	Model / Quantity		P15-P250/3~50	
Sound pressure level (measured in anechoic room)	*4	dB <A>	70.5 / 74.5	
Sound power level (measured in anechoic room)	*4	dB <A>	88.5 / 93.5	
Refrigerant piping diameter	Liquid pipe	mm (in.)	19.05(3/4) Brazed	
	Gas pipe	mm (in.)	41.28 (1-5/8) Brazed	
Set Model				
Model		PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)	PUHY-EP450YNW-A (-BS)
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate			
	m³/min	305	305	305
	L/s	5,083	5,083	5,083
	cfm	10,770	10,770	10,770
	Control, Driving mechanism	Inverter-control, Direct-driven by motor		
Compressor	Motor output	kW	0.46 x 2	0.46 x 2
	*5 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type		Inverter scroll hermetic compressor	
	Starting method		Inverter	Inverter
External finish	Motor output	kW	12.4	12.4
	Case heater	kW	-	-
			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension HxWxD		mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740
		in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16
Protection devices		High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
		Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection	
		Compressor	-	
		Fan motor	-	
Refrigerant		Type x original charge	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
Net weight		kg (lbs)	305 (673)	305 (673)
Heat exchanger			Salt-resistant cross fin & aluminium tube	
Pipe between unit and distributor		Liquid pipe	15.88 (5/8) Brazed	15.88 (5/8) Brazed
		Gas pipe	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Optional parts			Outdoor Twinning kit: CMY-Y300V рр Joint: CMY-Y102SS/LS-G2, CMY-Y202/302S-G2 Header: CMY-Y104/108/1010-G	

Notes:

*1,*2 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27°C DB/19°C WB (81°F DB/66°F WB)	35°C DB/24°C WB (95°F DB/75°F WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20°C DB/68°F DB	7°C DB/6°C WB (45°F DB/43°F WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Nominal heating conditions (subject to JIS B8615-2)

Indoor: 20 °CDB (68 °FD B.), Outdoor: 7 °CDB/B.6 °CW.B. (45 °FD.B./43 °FW.B.)

Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)

Eurovent registered

*4 Cooling mode / Heating mode

*5 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specification may be subject to change without notice.

OPTIONAL PARTS FOR OUTDOOR UNITS

For Y series

Description	Model	Remarks
Relay Box	PAC-PH01KTY-E	Relay box should be used together with Panel heater
Panel heater	PAC-PH01EHT-E	For S module
	PAC-PH02EHT-E	For L module
	PAC-PH03EHT-E	For XL Module
Twinning kit	CMY-Y100VBK3	For PUHY-(E)P400~(E)P650YSNW-A
	CMY-Y200VBK2	For PUHY-(E)P700~(E)P900YSNW-A
	CMY-Y300VBK3	For PUHY-(E)P950~(E)P1350YSNW-A
Branch pipe (Joint)	CMY-Y102SS-G2	200 or below(Total capacity of indoor unit)
	CMY-Y102LS-G2	201-400(Total capacity of indoor unit)
	CMY-Y202S-G2	401-650(Total capacity of indoor unit)
	CMY-Y302S-G2	651-above(Total capacity of indoor unit)
Branch pipe (Header)	CMY-Y104-G	For 4 branches
	CMY-Y108-G	For 8 branches
	CMY-Y1010-G	For 10 branches
Fin Guard	PAC-FG01S-E	For side surfaces of S and L modules (a set of two pieces)
	PAC-FG02S-E	For side surfaces of XL modules (a set of two pieces)
	PAC-FG01B-E	For rear surface of S module
	PAC-FG02B-E	For rear surface of L module
	PAC-FG03B-E	For rear surface of XL module

For R2 series

Description	Model	Remarks
Relay Box	PAC-PH01KTY-E	Relay box should be used together with Panel heater
Panel heater	PAC-PH01EHT-E	For S module
	PAC-PH02EHT-E	For L module
	PAC-PH03EHT-E	For XL Module
Twinning kit	CMY-R100VBK4	For PURY-(E)P400~(E)P650YSNW-A
	CMY-R200VBK4	For PURY-(E)P700~(E)P1100YSNW-A
For BC controller	2-Branch Joint Pipe	200 or below(Total capacity of indoor unit)
		201-400(Total capacity of indoor unit)
	Joint and Reducer	350 or below(Total capacity of indoor unit)
		351-600(Total capacity of indoor unit)
		601-650(Total capacity of indoor unit)
		651-1000(Total capacity of indoor unit)
		1001 or above(Total capacity of indoor unit)
	Reducer	For P200-P650 Outdoor unit
		For P700-P1100 Outdoor unit
		For CMB-P104,106,108,1012,1016V-J (When the outdoor unit capacity is P200 to P300)
Fin Guard	Branch pipe(Header)	For CMB-P108,1012,1016V-JA (When the outdoor unit capacity is P200 to P900)
		For CMB-P108,1012,1016V-JA and for use with sub BC controller
		For CMB-P1016V-KA(When the outdoor unit capacity is P200 to P1000)
		For CMB-P1016V-KA and for use with sub BC controller
		For CMB-P104V-KB
		Joint for connecting to two nozzles
		PAC-FG01S-E* For side surfaces of S and L modules (a set of two pieces)
	PAC-FG02S-E*	For side surfaces of XL modules (a set of two pieces)
	PAC-FG01B-E	For rear surface of S module
	PAC-FG02B-E	For rear surface of L module
	PAC-FG03B-E	For rear surface of XL module

Note : When installing on 38HP model, please refer to DATABOOK.



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

⚠ Warning

- Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.
 - Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, during repair, or at the time of disposal of the unit.
 - It may also be in violation of applicable laws.
 - MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.
- Our air-conditioning equipments and heat pumps contain a fluorinated greenhouse gas, R410A.

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